

9

1.1 DESIGN, FABRICATION AND ERECTION OF COLD FORMED METAL FRAMING SHALL BE IN ACCORDANCE WITH THE SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, LATEST EDITION, BY THE AMERICAN IRON AND STEEL INSTITUTE AND AS SUPPLEMENTED BY MANUFACTURERS RECOMMENDATIONS.

1.2 UNLESS OTHERWISE NOTED ALL LIGHT GAUGE METAL FRAMING IS TO BE CONTRACTOR DESIGNED BY A STRUCTURAL ENGINEER WITH AT LEAST 5 YEARS EXPERIENCE IN THE DESIGN OF LIGHT GAUGE METAL AND REGISTERED IN THE STATE OF THE PROJECT. SIGNATURE AND SEAL OF THE ENGINEER IN THE FORM OF CALCULATIONS, PLANS, ELEVATIONS AND DETAILS SHALL BE PROVIDED AND REVIEWED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO COMMENCEMENT OF THIS WORK. THE FOLLOWING SHALL BE CONSIDERED MINIMUM DESIGN REQUIREMENTS.

- DESIGN SHALL ALSO BE BASED ON THE LOADS INDICATED ABOVE AS WELL AS THE FOLLOWING DEFLECTION CRITERIA:
- A. WALLS
1. EIFS ON GYPSUM OR PLYWOOD SHEATHING: L/240
2. BRICK: L/600
- 1.4. ALL FRAMING MEMBERS SHALL BE FORMED CORROSION-RESISTANT STEEL CONFORMING WITH THE REQUIREMENTS OF ASTM A653-94 AND ZINC COATED IN ACCORDANCE WITH ASTM A924.
- 1.5. THE MINIMUM YIELD STRENGTH OF COLD FORMED FRAMING SHALL BE 33KSI FOR COMPONENTS 18 GAUGE AND LIGHTER AND 50KSI FOR COMPONENTS 16 GAUGE AND HEAVIER.
- 1.6. ALL FRAMING MEMBERS SHALL COMPLY WITH THE PROFILES (IN ACCORDANCE WITH THE STEEL STUD MANUFACTURERS ASSOCIATION SSMA), GAUGE (18 GAUGE MINIMUM UNO), MAXIMUM SPACING AND MINIMUM BRIDGING REQUIREMENTS AS INDICATED ON THE PLANS (U.N.O.). THE FOLLOWING MINIMUM REQUIREMENTS ALSO APPLY.
- A. LIGHT GAUGE STUDS BACKING UP MASONRY VENEER ANCHORS SHALL BE GALVANIZED AND 18 GAUGE MINIMUM.
- B. EXCEPT FOR TRACK AND WHERE INDICATED, FRAMING MEMBERS SHALL NOT BE SPICED.
- C. PUNCHED WEB OPENINGS SHALL NOT OCCUR WITHIN 10" OF MEMBER ENDS OR INTERIOR REACTION/SUPPORT POINTS UNLESS A STIFFENER OF THE SAME GAUGE AS THE MEMBER OR HEAVIER IS INSTALLED.
- D. BRIDGING SHALL CONSIST OF FULL DEPTH SOLID BLOCKING MADE UP OF T OR S MEMBERS THE SAME GAUGE AS THE SUPPORTED MEMBER BETWEEN THE OUTER TWO MEMBERS AT EACH END, AT OPENINGS, AND AT 10'-0" MAXIMUM SPACING WITH INTERCONNECTING 1-1/2" X 20 GAUGE STRAPPING ATTACHED TO EACH FLANGE. AFTER STRAPPING TO EACH FLANGE WITH A MINIMUM OF ONE SCREW AND TO THE SOLID BLOCKING WITH A MINIMUM OF FOUR SCREWS. LATERALLY BRACE THE ENDS OF ALL MEMBERS WITH A CONTINUOUS TRACK OR HEADER. BRIDGING SHALL BE INSTALLED IMMEDIATELY AFTER EACH OF THE FRAMING COMPONENT TYPES HAVE BEEN INSTALLED AND PRIOR TO APPLICATION OF CONSTRUCTION OR BUILDING LOADS.
- 1.7. THE FOLLOWING MINIMUM FRAMING REQUIREMENTS SHALL BE ADHERED TO UNLESS MORE RESTRICTIVE REQUIREMENTS ARE INDICATED.
- A. SLIP TRACK AND/OR SLIDE CLIPS OF THE SAME GAUGE AS THE ATTACHED MEMBER (OR AS REQUIRED) SHALL BE USED FOR NON-LOAD BEARING WALL TO ALLOW FOR BUILDING MOVEMENT WITHOUT THE TRANSFER OF LOAD TO THE WALL MEMBERS.
- 1.8. THE FOLLOWING MINIMUM FASTENING REQUIREMENTS SHALL BE ADHERED TO UNLESS MORE RESTRICTIVE REQUIREMENTS ARE INDICATED.
- A. SCREW FASTENERS SHALL BE #10-16 BY GRABBER WITH A NUMBER 2 POINT OR AS RECOMMENDED BY THE MANUFACTURER. THE MINIMUM SPACING AND EDGE DISTANCE REQUIREMENT SHALL BE 3/4". PROVIDE QUANTITY OF FASTENERS INDICATED ON THE DRAWINGS BUT NO FEWER THAN TWO PER CONNECTION.
- B. WELDING IN LIEU SCREWS MAY BE UTILIZED USING A 3/4 IN. LONG MIN. FILLET WELD, FOR EACH SCREW REPLACED, WITH A THICKNESS EQUAL TO OR GREATER THAN THE THICKNESS OF THE THINNEST SHEET ATTACHED FOR EACH SCREW REPLACED. MATERIAL LIGHTER THAN 18 GAUGE SHALL NOT BE WELDED.
- C. 145 " IN.DIA. POWDER DRIVEN FASTENERS BY HILTI MAY BE USED AT NON-LOAD BEARING WALLS AND WHERE INDICATED TO ATTACH TRUCK TO CONCRETE OR STEEL. MAXIMUM SPACING = STUD SPACING OR 24 IN. O/C WHICHEVER IS SMALLER.
1. IN 3000PSI CONCRETE WITH 1-1/8 IN. MIN. EMBEDMENT, MIN. SPACING OF 4 IN., MIN. EDGE DISTANCE OF 3".
2. COMPLETE PENETRATION IN STEEL 1/4 IN. TO 3/8 IN. THICK, 18 GA MIN., MIN SPACING OF 1-1/2 IN., MIN EDGE DISTANCE OF 1/2 IN.

1.1 PRE-ENGINEERED COLD FORMED STEEL TRUSSES SHALL BE DESIGNED BY THE SUPPLIER IN ACCORDANCE WITH THE AISI "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION FOR THE FOLLOWING LOADS. CONNECTIONS BETWEEN TRUSSES AND BETWEEN TRUSSES AND SUPPORTING STRUCTURE SHALL BE DESIGNED AND SPECIFIED BY THE TRUSS ENGINEER. THE ENDS OF SUB TRUSSES AS WELL AS GABLE END TRUSSES SHALL ALSO BE DESIGNED BY THE TRUSS ENGINEER FOR LATERAL WIND LOADING (SEE GENERAL NOTES).

- 1.2 TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING LOAD COMBINATIONS IN ACCORDANCE WITH THE DESIGN LOADS AND CODES AS SPECIFIED IN THE DESIGN CODES AND CRITERIA SECTION OF THESE NOTES. WIND LOADING SHALL BE BASED ON COMPONENT WIND LOADS.

CASE I: DL + CL + LL
CASE II: DL + CL + WL
CASE III: DL - WL

THE LOADS REFERENCED TO WITHIN THESE NOTES ARE SERVICE LOADS WITHOUT APPLICATION OF ANY DURATION FACTOR.

CONCENTRATED MECHANICAL/ELECTRICAL LOADS: SEE MECHANICAL

- 1.3 TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE FOLLOWING DEFLECTION CRITERIA:

ROOF TRUSSES: DL + CL + LL L/240
LL L/360

- 1.4 ADDITIONAL RIDGE AND VALLEY MEMBERS SHALL BE FURNISHED TO PROVIDE CONTINUOUS EDGE SUPPORT OF ROOF SHEATHING.

- 1.5 TOP CHORD SHALL BE 16 GAUGE MIN. BOTTOM CHORD SHALL BE 18 GAUGE MIN.

1.1 ROOF DECK SHALL BE 1.5B16 DECKING OR AS SPECIFIED ON THE PLANS IN ACCORDANCE WITH THE STEEL DECK INSTITUTE. DECK SHALL HAVE A GALVANIZED FACTORY FINISH. TOUCH UP IN FIELD IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. EXPOSED PRIME PAINTED DECK SHALL BE FIELD PAINTED.

- 1.2 ROOF DECKING SHALL BEAR A MINIMUM OF 1 1/2" ON SUPPORTS AND SHALL BE LAPPED A MINIMUM OF 2".
- 1.3 ATTACH METAL DECK TO PURLINS WITH #12 TEK SCREW WITH 36/5 PATTERN AND (2)-#10 TEK SCREW SIDE LAP FASTENERS.

1.1 FLOOR DECK SHALL BE 0.6C22 FORM DECK OR AS SPECIFIED ON THE PLANS IN ACCORDANCE WITH THE STEEL DECK INSTITUTE. (BY VULCRAFT OR OTHER APPROVED MANUFACTURER) FLOOR DECK SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A653-94, G60 (Z180).

- 1.2 FLOOR DECKING BEAR A MINIMUM OF 1 1/2" ON SUPPORTS AND SHALL BE WELDED TO STEEL FRAMEWORK WITH 5/8" DIAMETER PUDDLE WELDS UTILIZING WELDING WASHERS AT A MAXIMUM SPACING OF 6" O.C. (30/6 PATTERN) AT ENDS OF SHEETS AND A MAXIMUM OF 10" O.C. (30/4 PATTERN) AT INTERMEDIATE SUPPORTS.

- 1.3 PROVIDE ALL ADJUSTING PLATES, CLOSURES, SLAB POUR STOPS, COVER PLATES, COLUMN FLASHING, ACCESS HOLE COVERS AND OTHER ACCESSORIES AS REQUIRED TO ACCOMPLISH THE WORK. ACCESSORIES SHALL BE 20 GAUGE MINIMUM AND SHALL BE OF THE SAME MATERIAL AND FINISH AS THE STEEL DECK UNLESS OTHERWISE INDICATED. ALSO PROVIDE SUPPLEMENTAL MISCELLANEOUS STEEL AS MAY BE REQUIRED TO SUPPORT DECK AT COLUMNS AND OTHER PENETRATIONS.

- 1.4 CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANY SUPPLEMENTAL SHORING THAT MAY BE REQUIRED TO SUPPORT CONSTRUCTION LOADS.

- 1.5 CONCRETE SLAB FILL SHALL BE REINFORCED IN ACCORDANCE WITH SDI RECOMMENDATIONS FOR THE LIVE LOAD INDICATED UNLESS INDICATED OTHERWISE ON THE PLANS. LOCATE REINFORCING MID-HEIGHT BETWEEN TOP OF DECK AND SURFACE OF SLAB.

BOT	BOTTOM	LLO	LONG LEG OUT
B/STL	BOTTOM OF STEEL	LLV	LONG LEG VERTICAL
C.J.	CONSTRUCTION OR CONTROL JOINT	MAX.	MAXIMUM
CONN	CONNECTION	MIN.	MINIMUM
CONT.	CONTINUOUS	NDS	NATIONAL DESIGN STANDARD
DIAG	DIAGONAL	FWC	FOR WOOD CONSTRUCTION
EA	EACH	NF	NEAR FACE
EF	EACH FACE	NWC	NORMAL WEIGHT CONCRETE
EL	ELEVATION	OC	ON CENTER
EMBED	EMBEDMENT	OFW	OUTSIDE FACE OF WALL
EOD	EDGE OF DECK	PDF	POWDER DRIVEN FASTENER
EOS	EDGE OF SLAB	PJF	PREMOLDED JOINT FILLER
EA	EACH WAY	PLF	POUNDS PER LINEAR FOOT
FF	FAR FACE	REBAR	REINFORCING STEEL
GT	GIRDER TRUSS	STD	STANDARD
HORIZ	HORIZONTAL	SDS	SELF DRILLING SCREW
IFW	INSIDE FACE OF WALL	T&B	TOP AND BOTTOM
JB	JOIST BEARING	T/STL	TOP OF STEEL
JT	JACK TRUSS	TYP	TYPICAL
		UNO	UNLESS NOTED OTHERWISE
		VERT	VERTICAL

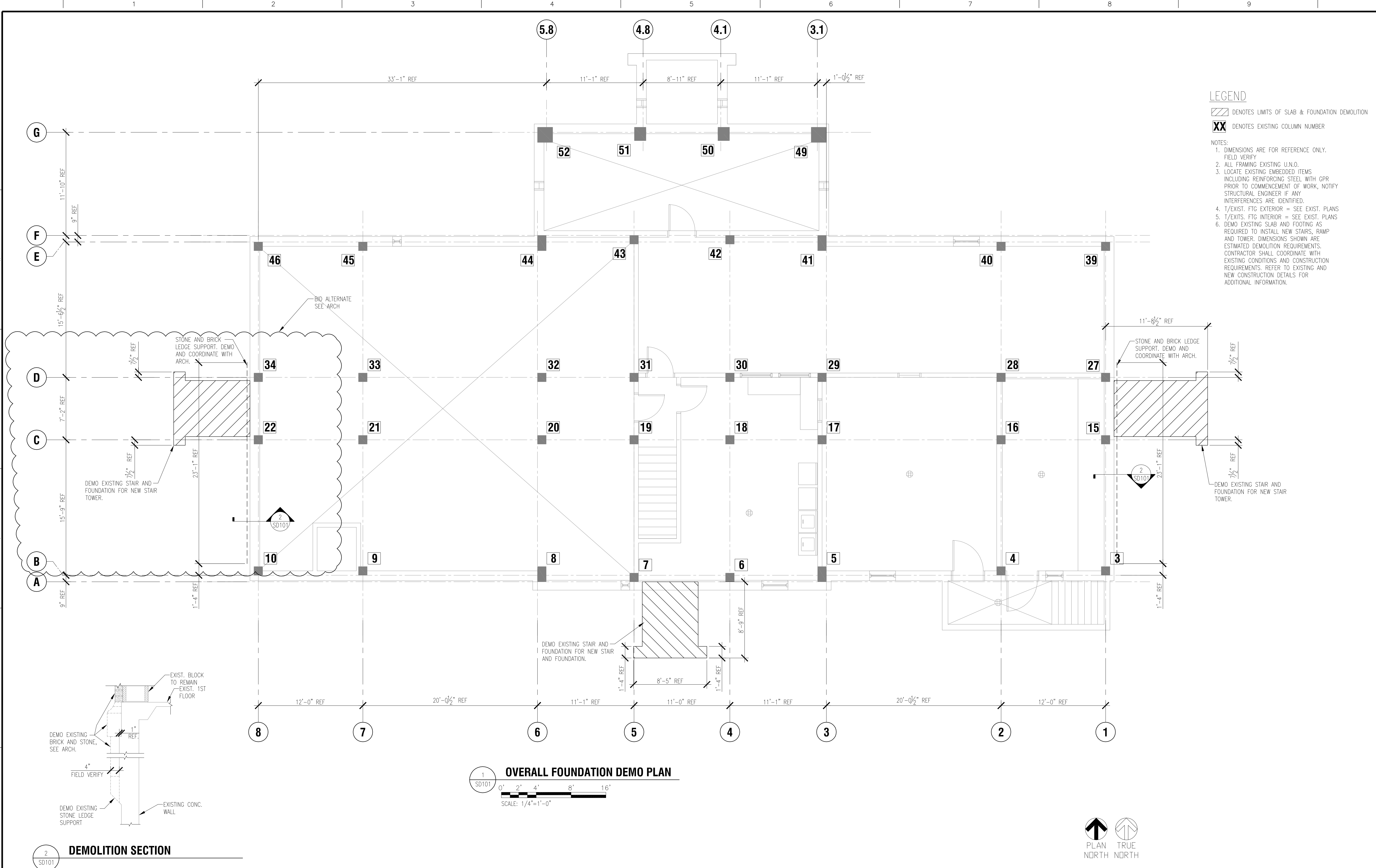
CLEAR SPAN	ANGLE SIZE	MINIMUM BEARING
UP TO 3'-4"	L4x4x $\frac{1}{4}$	0'-4"
3'-5" TO 5'-4"	L4x4x $\frac{3}{8}$	0'-4"
5'-5" TO 6'-8"	L6x4x $\frac{3}{8}$ LLV	0'-4"
6'-9" TO 8'-0"	L7x4x $\frac{3}{8}$ LLV	0'-4"
OVER 8'-0"	L5x5x $\frac{3}{8}$	BOLTED TO HEADER

NOTE: ASSUMES ARCHING ACTION

BAR SIZE	CLASS	NORMAL WEIGHT CONCRETE 28 DAY f _c (PSI)
		3,500
#6 OR SMALLER	B	57 Dia.
#7 OR LARGER	B	71 Dia.

Drawing File: P:\VA\Project Drawing Files\VA Salem Demo Foundation Plan.dwg
Plotted by: David
Plotted Date: Mar 17, 2015 - 2:27 pm

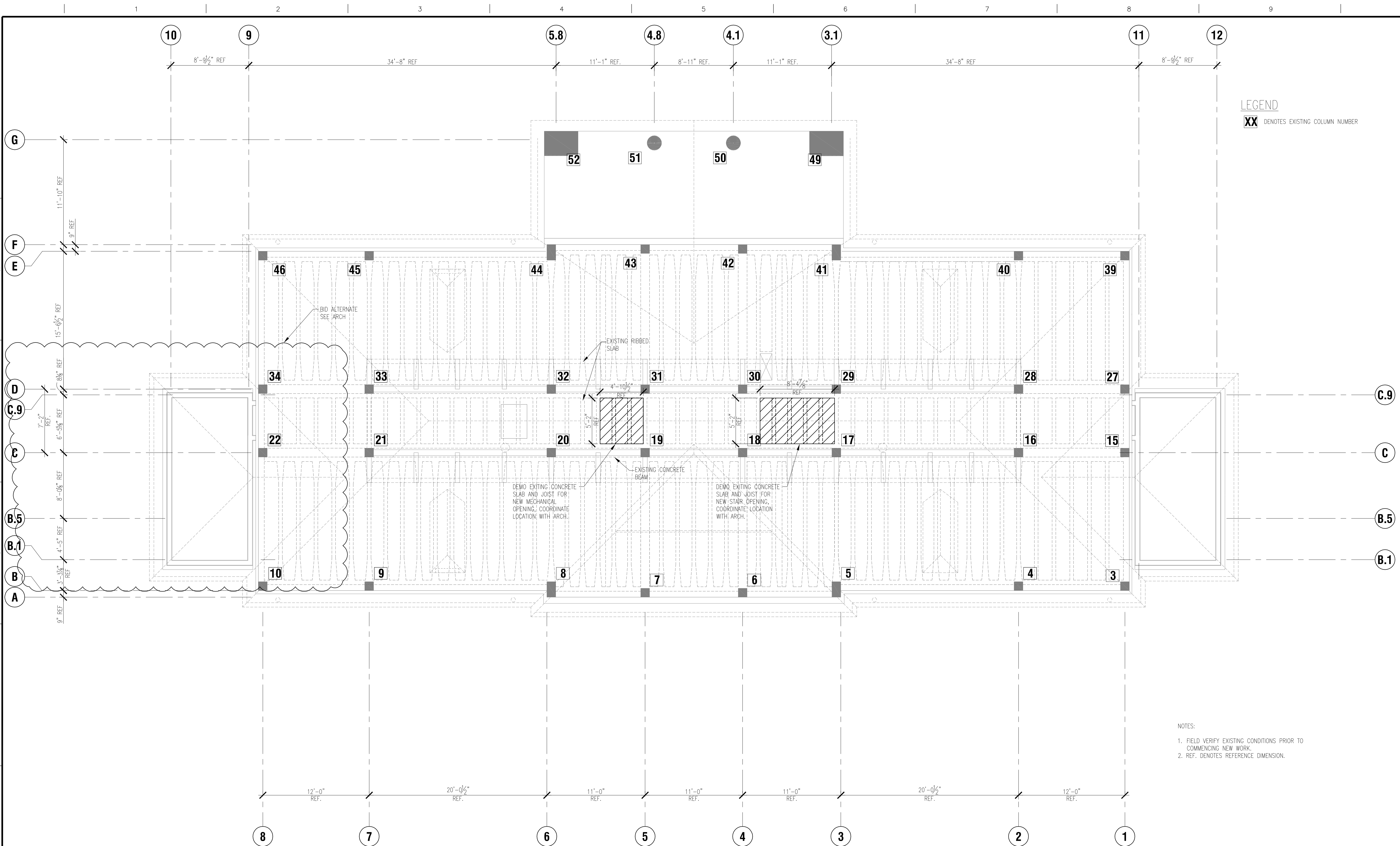
one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot



CONSULTANTS:		ARCHITECT:		Drawing Title:	Project Number:	Project Title:		Office of Construction and Facilities Management	
INNOVATIVE ENGINEERING INCORPORATED		TOLAND MIZELL MOLNAR		OVERALL FOUNDATION DEMO PLAN	658-13-120	RENOVATE BUILDING 17 VA SALEM		Department of Veterans Affairs	
Revisions:		590 MEANS ST NW SUITE 200 ATLANTA GA 30319 404.343.9774		Approved: Project Director	Building Number: 17	SALEM, VA		Drawing Number: SD101	
Date:					Dwg. of	Date: 03-18-2015		Checked: SLW	
								Drawn: DCA	

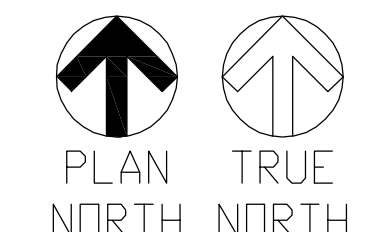
Drawing File: P:\Project Drawing Files\ Toland & Mizell Architects\VA\VA Salem\Struct\Working\3 TM VA SALEM ROOF DEMO FRAMING Plan.dwg
Plotted by: David
Plotted Date: Mar 17, 2015 - 2:20pm

one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three eighths inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot



- NOTES:
1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING NEW WORK.
 2. REF. DENOTES REFERENCE DIMENSION.

1 SD102
ROOF DEMO FRAMING PLAN
0' 2' 4' 8' 16'
SCALE: 1/4"=1'-0"



--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



1. T/EXIST. FTG EXTERIOR = SEE EXISTING DRAWINGS
2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING NEW WORK.
3. REF. DENOTES REFERENCE DIMENSION.

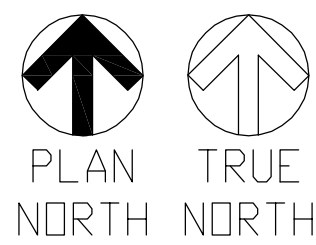
OVERALL FOUNDATION

A circular foundation plan for S101. The foundation is represented by a circle with a diameter of 16 feet. A scale bar below the circle indicates the dimensions: 0', 2', 4', 8', and 16'. The scale is 1/4" = 1'-0".

1
S101

0' 2' 4' 8' 16'

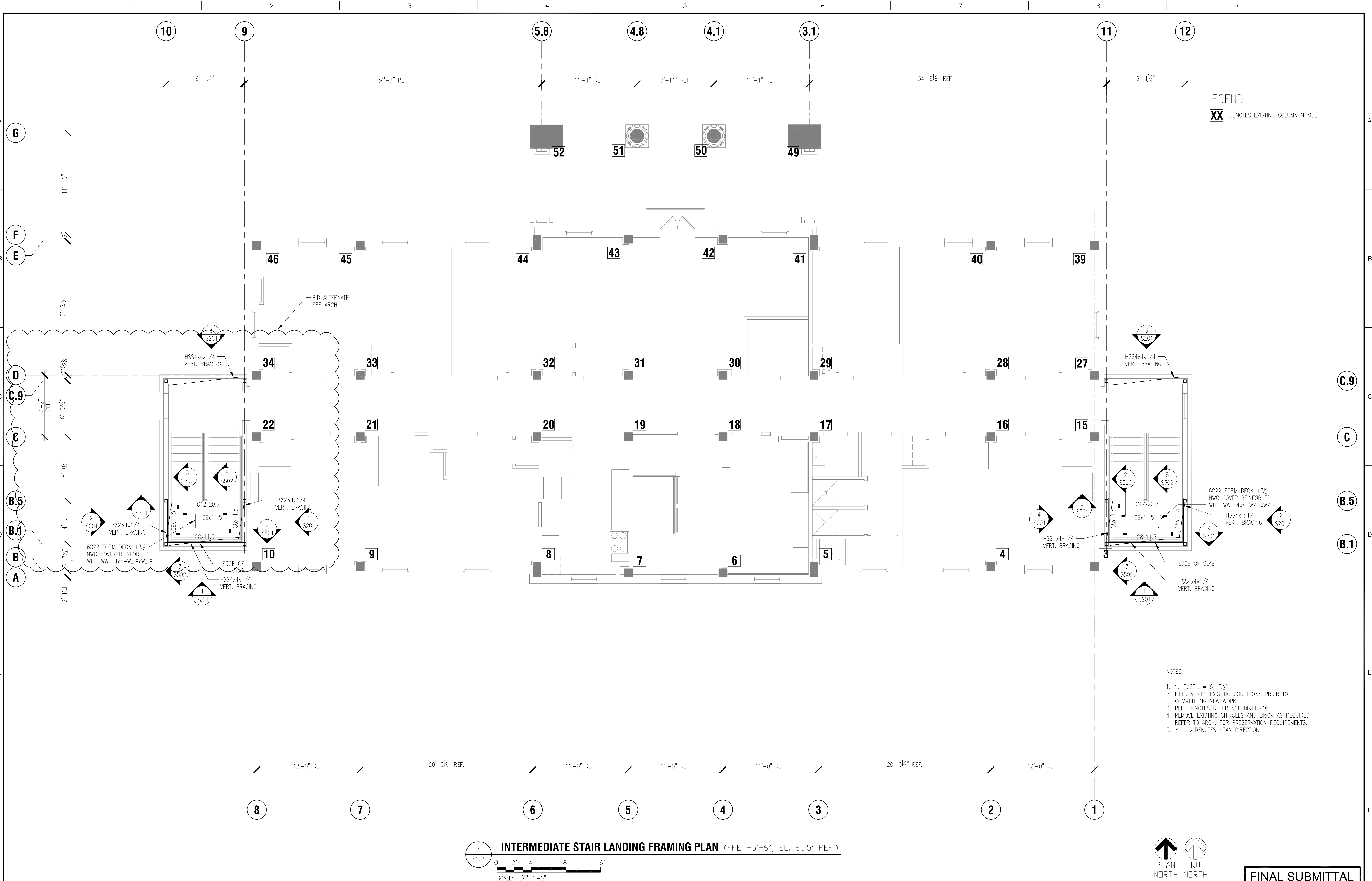
SCALE: 1/4" = 1'-0"



		CONSULTANTS:			ARCHITECT:	 <div>590 MEANS ST NW SUITE 200 ATLANTA GA 30319 404.343.9774</div>	Drawing Title:	Project Number:	OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT	
							OVERALL FOUNDATION PLAN	658-13-120		
							Approved: Project Director	Building Number:		
								17		
								Drawing Number:		
Revisions:	Date						Location:	SALEM, VA	2573	
			Date:	03-18-2015	Checked:	SLW	Drawn:	DCA	S101	
									Dwg. of	

Drawing File: P:\Project Drawing Files\ Toland & Mizell Architects\VA\VA Salem\Struct\Working\6 TM VA SALEM 2ND FLOOR FRAMING Plan.dwg
Plotted by: David
Plotted Date: Mar 17, 2015 - 2:16pm

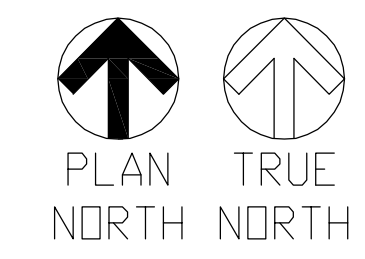
one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot



LEGEND
XX DENOTES EXISTING COLUMN NUMBER

- NOTES:
1. T/STL = 5'-5 1/2"
 2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING NEW WORK.
 3. REF. DENOTES REFERENCE DIMENSION.
 4. REMOVE EXISTING SHINGLES AND BRICK AS REQUIRED. REFER TO ARCH. FOR PRESERVATION REQUIREMENTS.
 5. → DENOTES SPAN DIRECTION

1
S103
INTERMEDIATE STAIR LANDING FRAMING PLAN (FFE=+5'-6", EL. 65.5' REF.)
SCALE: 1/4"=1'-0"

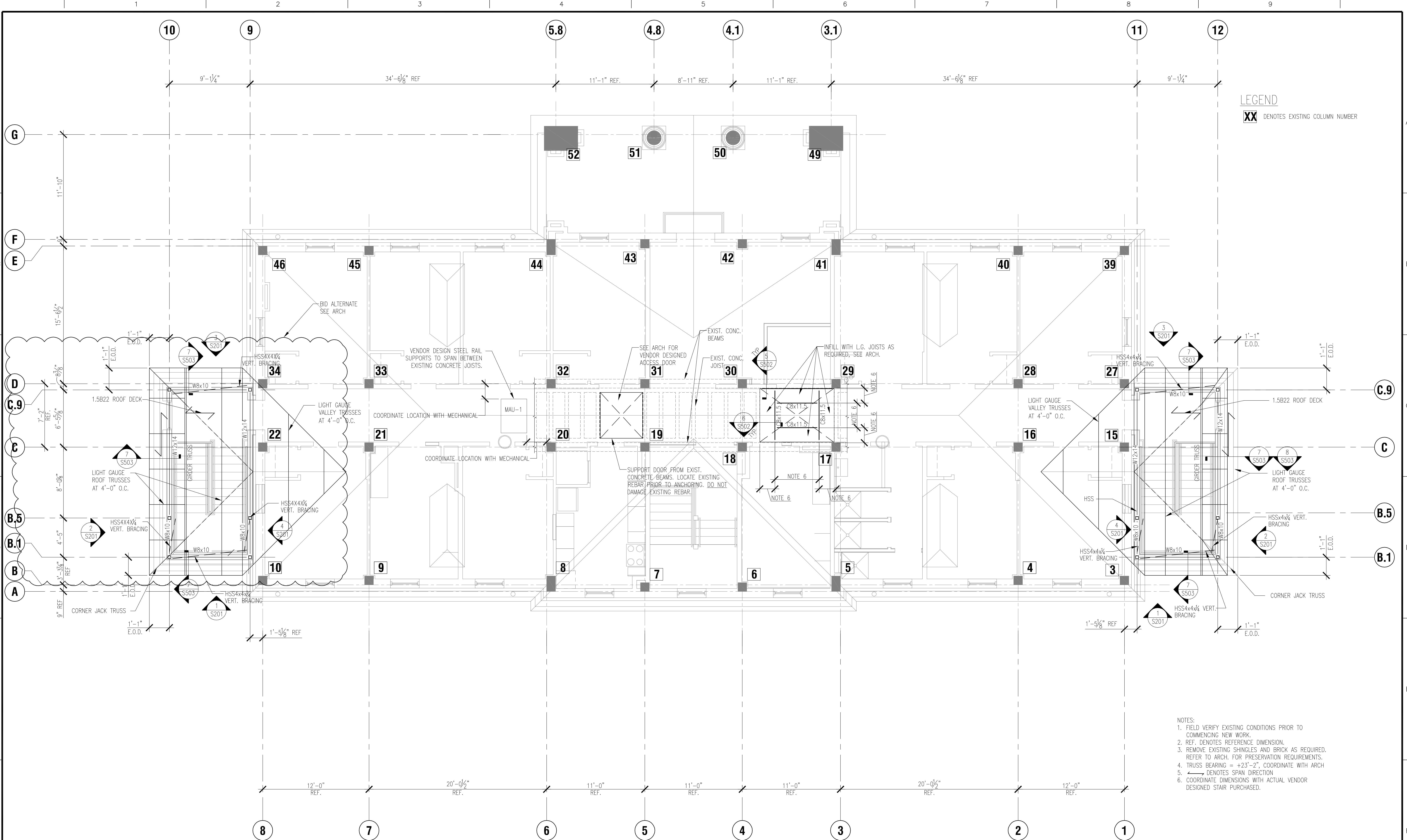


FINAL SUBMITTAL

		CONSULTANTS:						ARCHITECT:		 <div>590 MEANS ST NW SUITE 200 ATLANTA GA 30319 404.343.9774</div>		Drawing Title: <div>INTERMEDIATE STAIR LANDING FRAMING PLAN</div>		Project Title: <div>RENOVATE BUILDING 17 VA SALEM</div>		Project Number: <div>658-13-120</div>		OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT  Department of Veterans Affairs			
										Approved: Project Director		Location: <div>SALEM, VA</div>		Building Number: <div>17</div>		Drawing Number: <div>2573</div>					
												Date: <div>03-18-2015</div>		Checked: <div>SLW</div>		Drawn: <div>DCA</div>				Dwg. of	
Revisions:		Date:																			

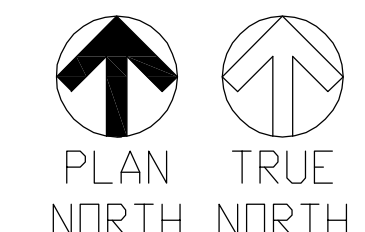
Drawing File: P:\Project Drawing Files\ Toland & Mizell Architects\VA\VA Salem\Struct\Working\8 TM VA SALEM ROOF FRAMING Plan.dwg
Plotted by: David
Plotted Date: Mar 17, 2015 - 2:14pm

one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three eighths inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot



LEGEND
XX DENOTES EXISTING COLUMN NUMBER

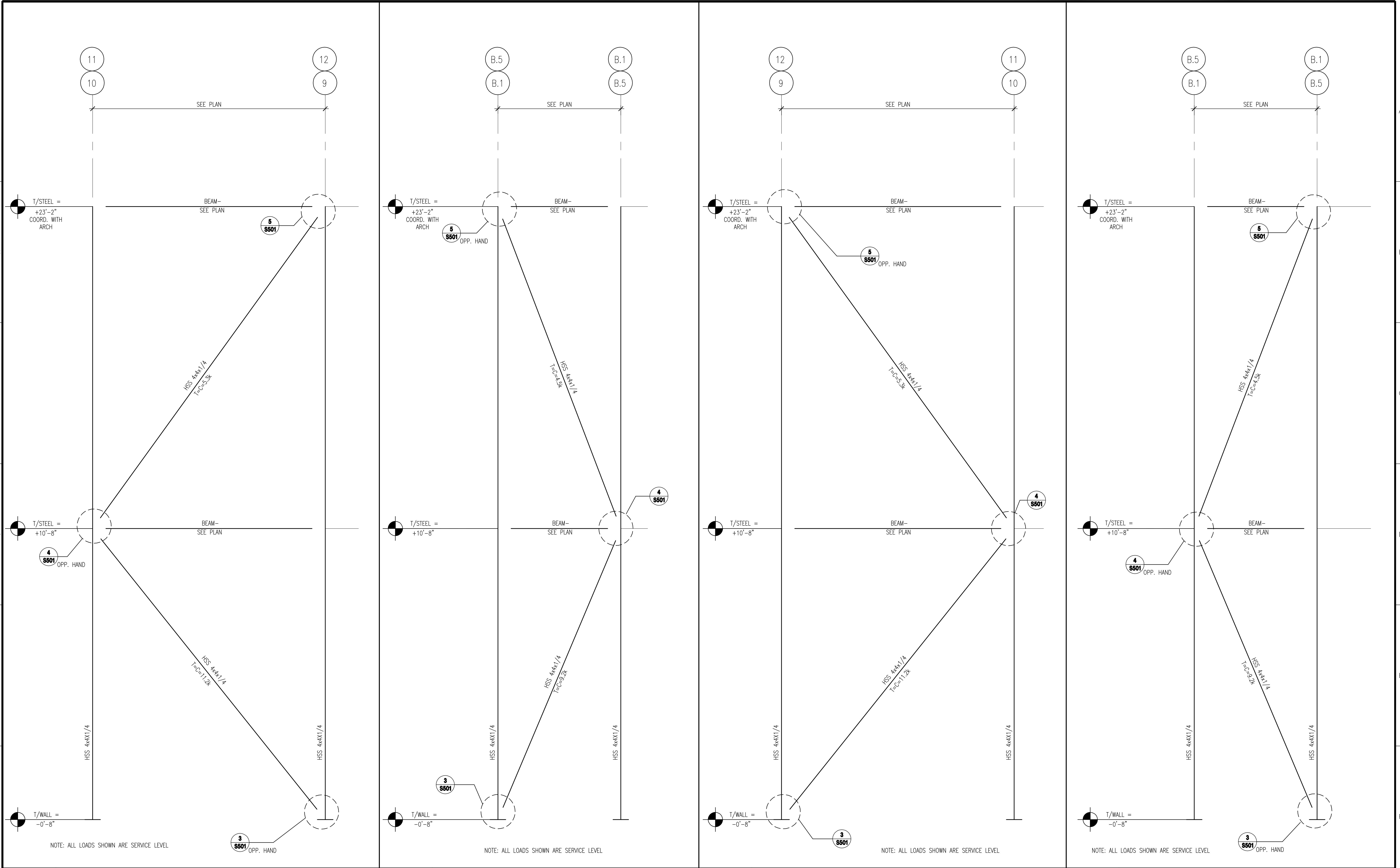
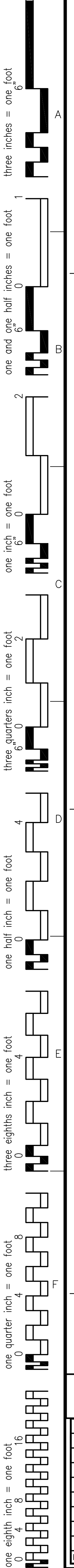
1
S105
ROOF FRAMING PLAN (EXIST. ATTIC FFE=+23'-2", EL. 83.167' REF.)
SCALE: 1/4"=1'-0"







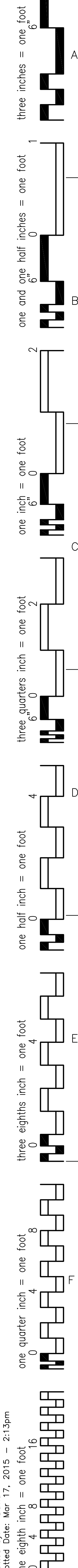
- NOTES:
1. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING NEW WORK.
 2. REF. DENOTES REFERENCE DIMENSION.
 3. REMOVE EXISTING SHINGLES AND BRICK AS REQUIRED. REFER TO ARCH. FOR PRESERVATION REQUIREMENTS.
 4. TRUSS BEARING = +23'-2", COORDINATE WITH ARCH.
 5. → DENOTES SPAN DIRECTION
 6. COORDINATE DIMENSIONS WITH ACTUAL VENDOR DESIGNED STAIR PURCHASED.

CONSULTANTS: 		ARCHITECT: 590 MEANS ST NW SUITE 200 ATLANTA GA 30319 404.343.9774		Drawing Title: ROOF FRAMING PLAN		Project Title: RENOVATE BUILDING 17 VA SALEM		Project Number: 658-13-120		OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT 	
Revisions:				Approved: Project Director		Location: SALEM, VA		Building Number: 17			
Date:				Date: 03-18-2015		Checked: SLW		Drawn: DCA			
								Drawing Number: S105		Dwg. of	

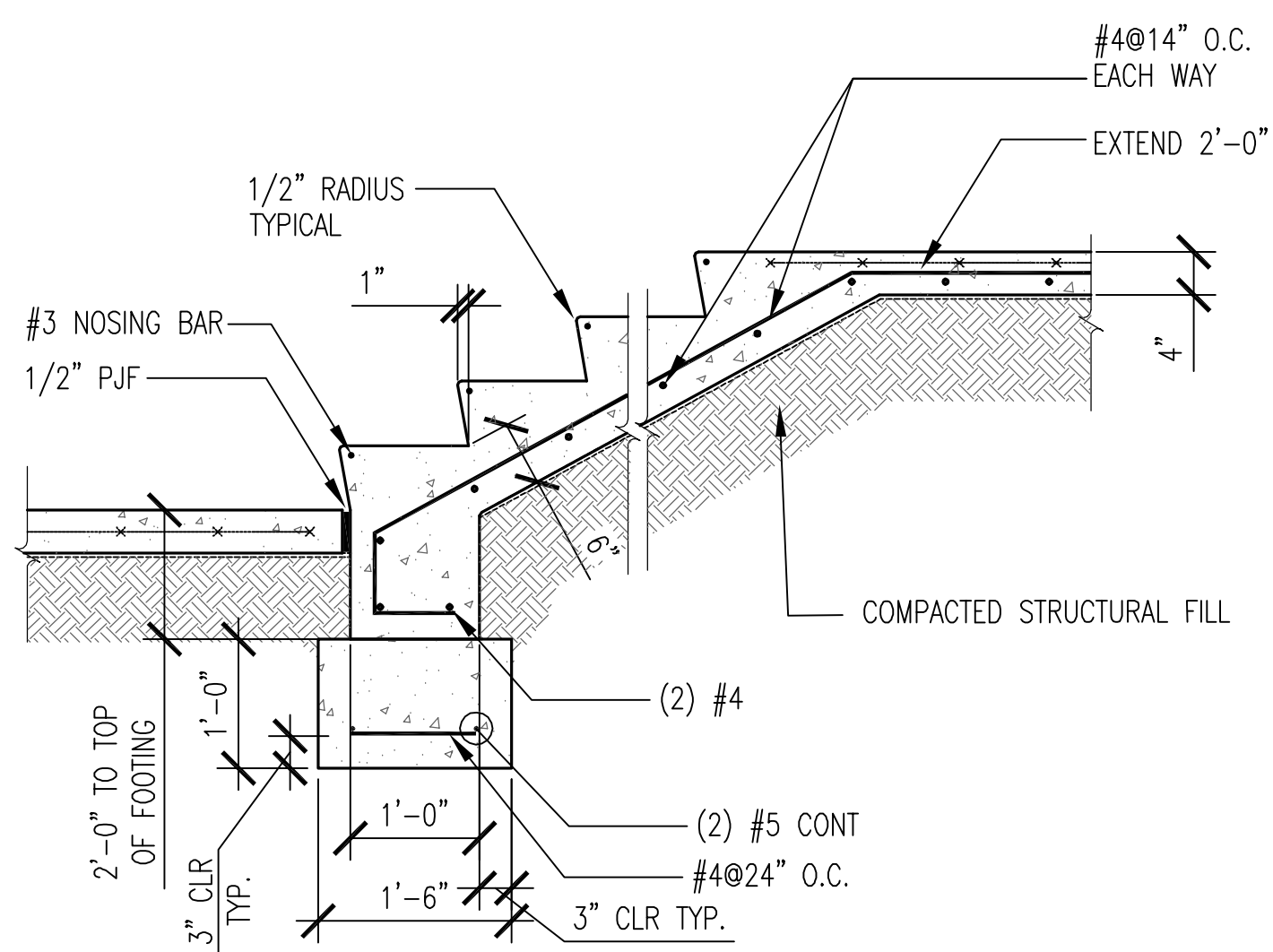
Drawing File: E:\Project Drawing Files\ Toland & Mizell Architects\VA\VA Salem\Struct\Working\9 TM VA SALEM S2.01-Steel Bracing Elevations.dwg
Plotted by: David
Date: Mar 17, 2015 - 2:14pm



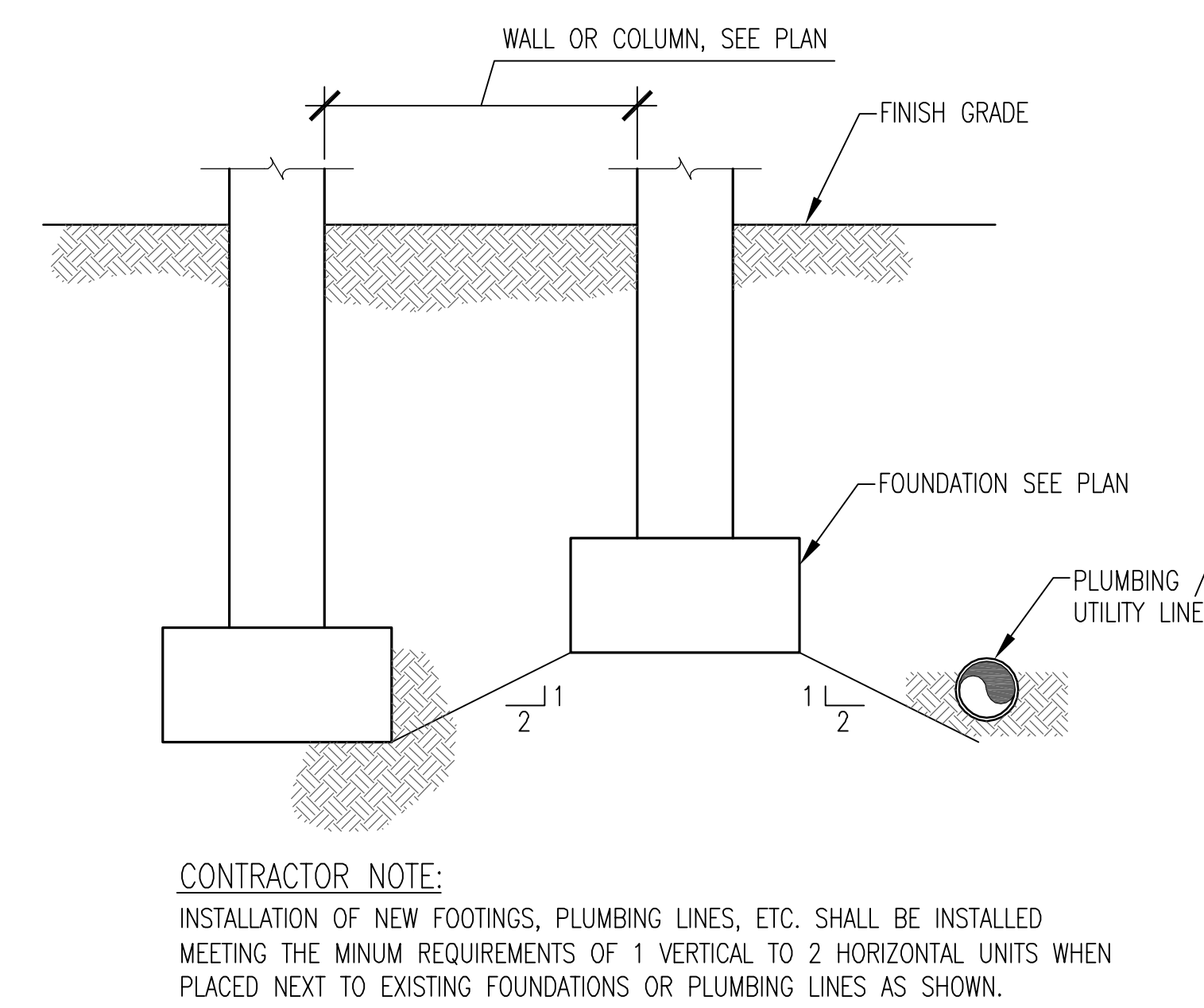
1	BRACING ELEVATION ALONG GRIDLINE "B.1" SCALE: N.T.S.	2	BRACING ELEVATION ALONG GRIDLINES "10" & "12" SCALE: N.T.S.	3	BRACING ELEVATION ALONG GRIDLINE "C.9" SCALE: N.T.S.	4	BRACING ELEVATION ALONG GRIDLINES "9" & "11" SCALE: N.T.S.	FINAL SUBMITTAL			
CONSULTANTS: 		ARCHITECT:  TOLAND & MIZELL 590 MEANS ST NW SUITE 200 ATLANTA GA 30319 404.343.9774		Drawing Title: BRACING ELEVATIONS		Project Title: RENOVATE BUILDING 17 VA SALEM		Project Number: 658-13-120		OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT 	
Revisions: Date				Approved: Project Director		Location: SALEM, VA		Building Number: 17			
						Date: 03-18-2015		Checked: SLW		Drawn: DCA	
								Drawing Number: 2573		Dwg. of	
								S201			



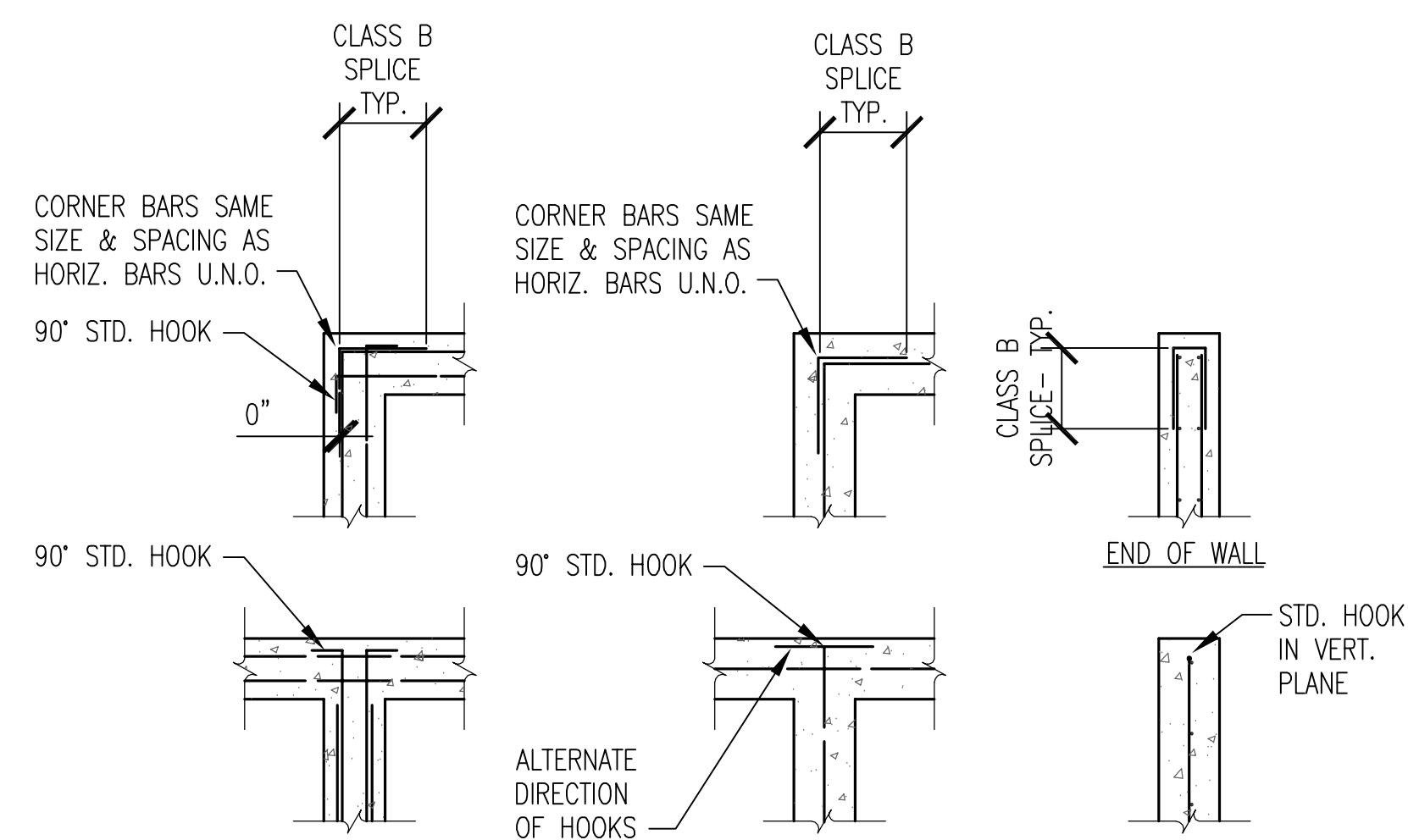
4 PIPE SLEEVE THRU FOOTING DETAILS



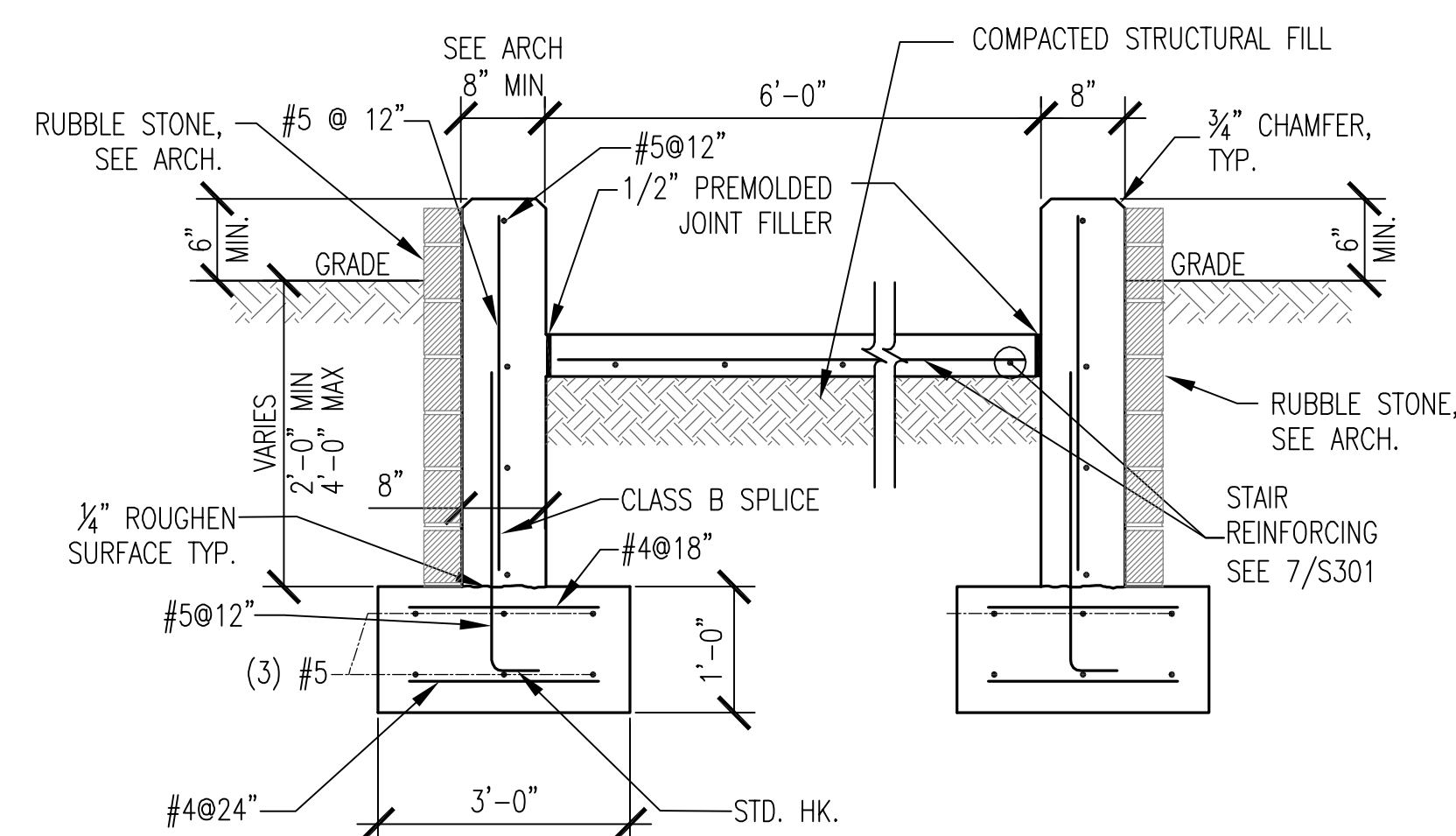
7	STAIR SECTION SCALE: 3/4" = 1'-0"
----------	---



5 TYP. FOOTING INSTALLATION DETAIL



6 TYPICAL WALL REINFORCING DETAILS



9 SECTION AT STAIR

ARCHITECT:



Project Title:

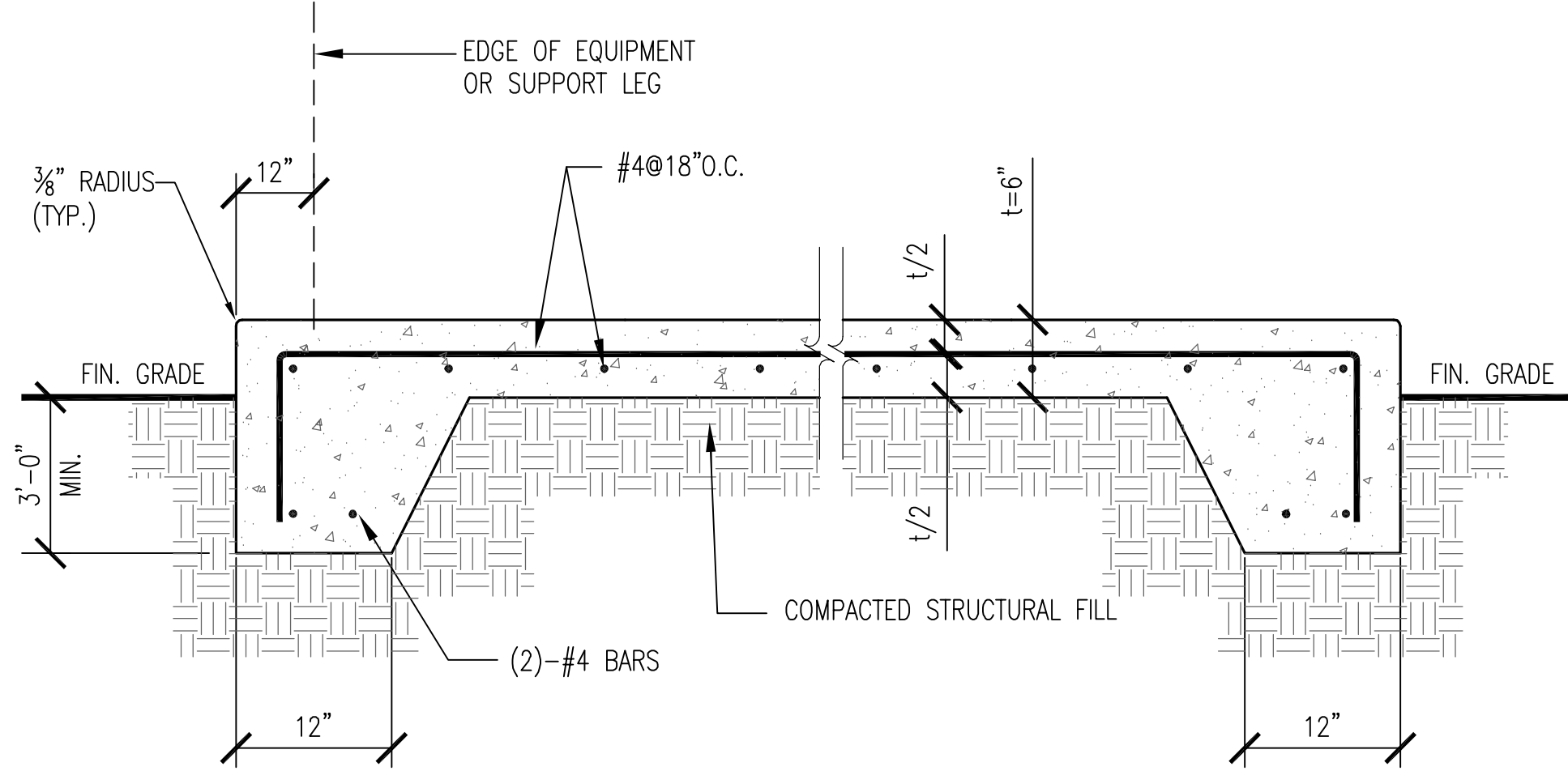
RENOVATE BUILDING 17
VA SALEM

OFFICE OF
CONSTRUCTION
AND FACILITIES
MANAGEMENT

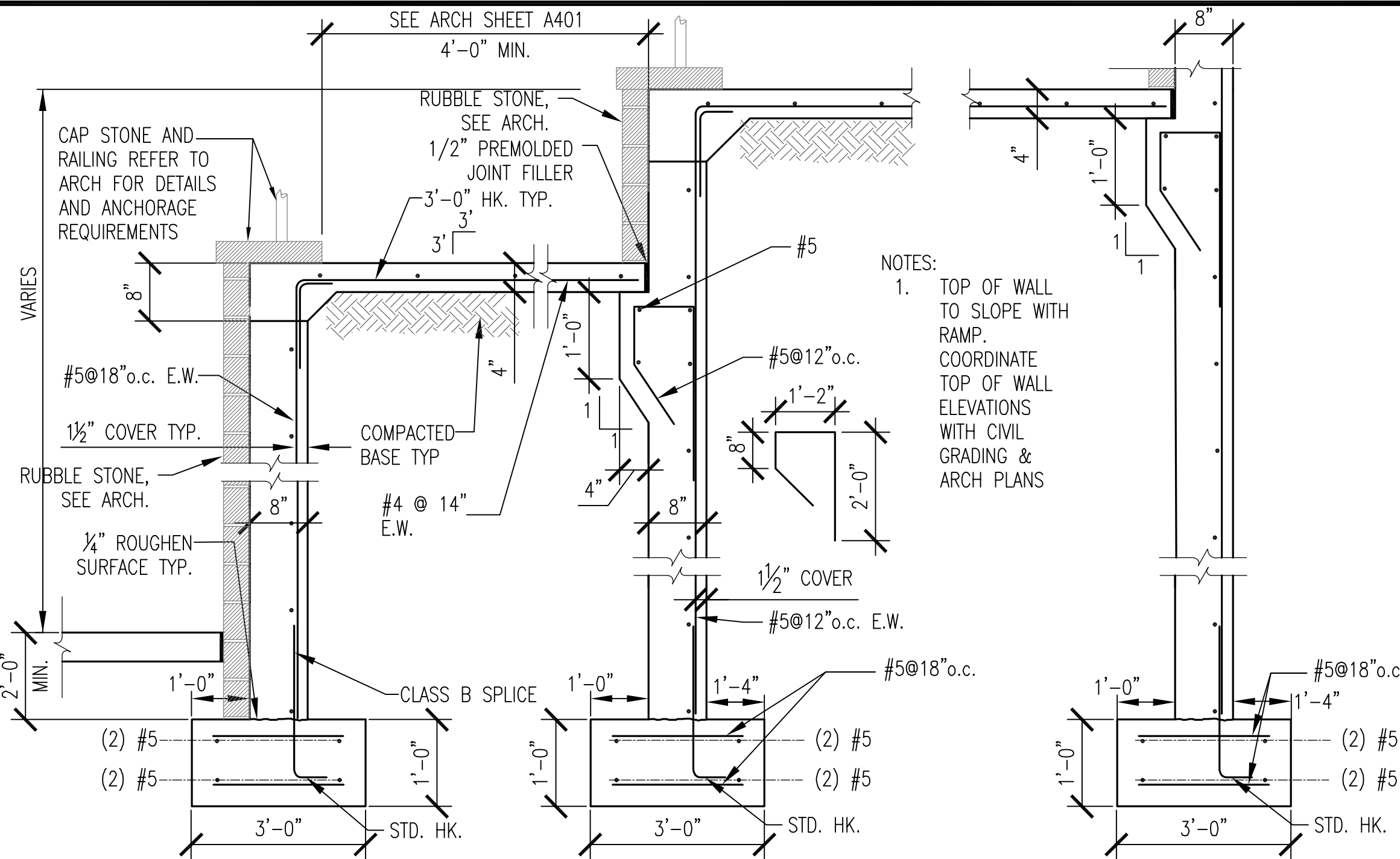
Drawing Number
2573

Department of
Veterans Affairs

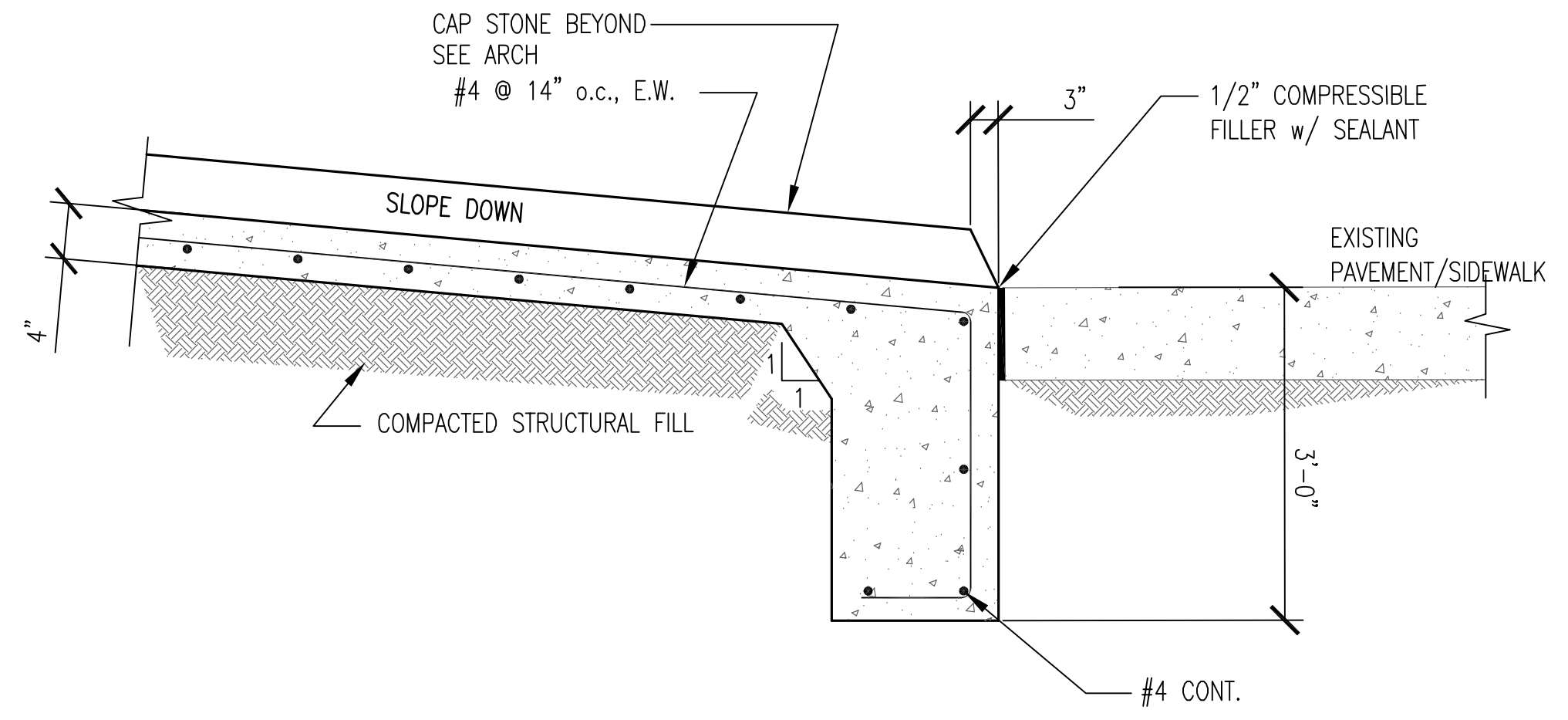
Drawing File: P:\Project Drawing Files\ Toland & Mizell Architects\VA\VA Salem\Struct\Working\10 TH VA SALEM CONC DETAILS.dwg
Plotted by: David
Plotted Date: Mar 17, 2015 - 2:13pm
one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three eighths inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three quarters inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot
four inches = one foot
five inches = one foot
six inches = one foot
seven inches = one foot
eight inches = one foot
nine inches = one foot
ten inches = one foot
eleven inches = one foot
twelve inches = one foot
thirteen inches = one foot
fourteen inches = one foot
fifteen inches = one foot
sixteen inches = one foot
seventeen inches = one foot
eighteen inches = one foot
nineteen inches = one foot
twenty inches = one foot
twenty one inches = one foot
twenty two inches = one foot
twenty three inches = one foot
twenty four inches = one foot
twenty five inches = one foot
twenty six inches = one foot
twenty seven inches = one foot
twenty eight inches = one foot
twenty nine inches = one foot
thirty inches = one foot
thirty one inches = one foot
thirty two inches = one foot
thirty three inches = one foot
thirty four inches = one foot
thirty five inches = one foot
thirty six inches = one foot
thirty seven inches = one foot
thirty eight inches = one foot
thirty nine inches = one foot
forty inches = one foot
forty one inches = one foot
forty two inches = one foot
forty three inches = one foot
forty four inches = one foot
forty five inches = one foot
forty six inches = one foot
forty seven inches = one foot
forty eight inches = one foot
forty nine inches = one foot
fifty inches = one foot
fifty one inches = one foot
fifty two inches = one foot
fifty three inches = one foot
fifty four inches = one foot
fifty five inches = one foot
fifty six inches = one foot
fifty seven inches = one foot
fifty eight inches = one foot
fifty nine inches = one foot
sixty inches = one foot
sixty one inches = one foot
sixty two inches = one foot
sixty three inches = one foot
sixty four inches = one foot
sixty five inches = one foot
sixty six inches = one foot
sixty seven inches = one foot
sixty eight inches = one foot
sixty nine inches = one foot
seventy inches = one foot
seventy one inches = one foot
seventy two inches = one foot
seventy three inches = one foot
seventy four inches = one foot
seventy five inches = one foot
seventy six inches = one foot
seventy seven inches = one foot
seventy eight inches = one foot
seventy nine inches = one foot
eighty inches = one foot
eighty one inches = one foot
eighty two inches = one foot
eighty three inches = one foot
eighty four inches = one foot
eighty five inches = one foot
eighty six inches = one foot
eighty seven inches = one foot
eighty eight inches = one foot
eighty nine inches = one foot
ninety inches = one foot
ninety one inches = one foot
ninety two inches = one foot
ninety three inches = one foot
ninety four inches = one foot
ninety five inches = one foot
ninety six inches = one foot
ninety seven inches = one foot
ninety eight inches = one foot
ninety nine inches = one foot
one hundred inches = one foot



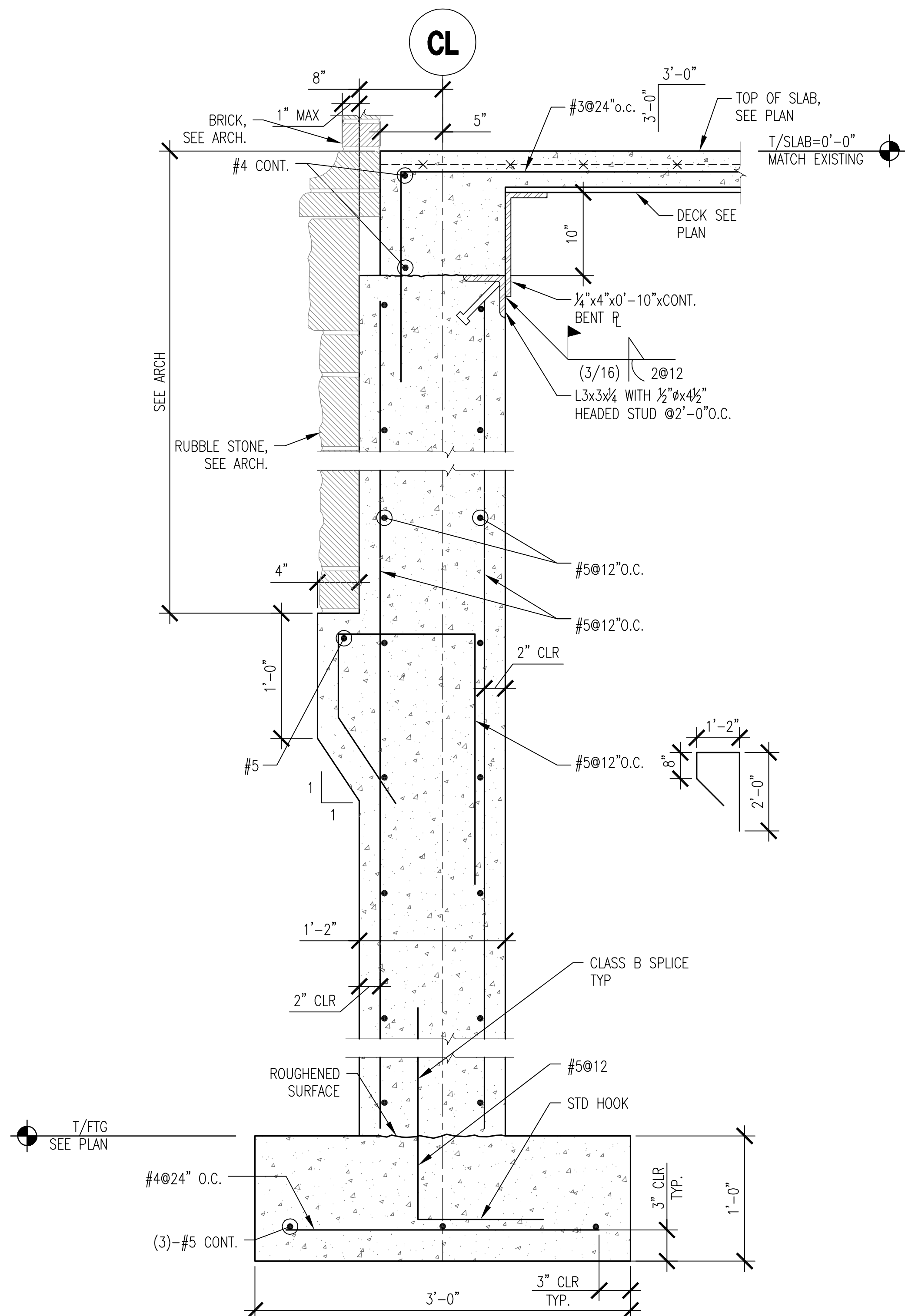
1 CONCRETE EQUIPMENT PAD
SCALE: N.T.S.



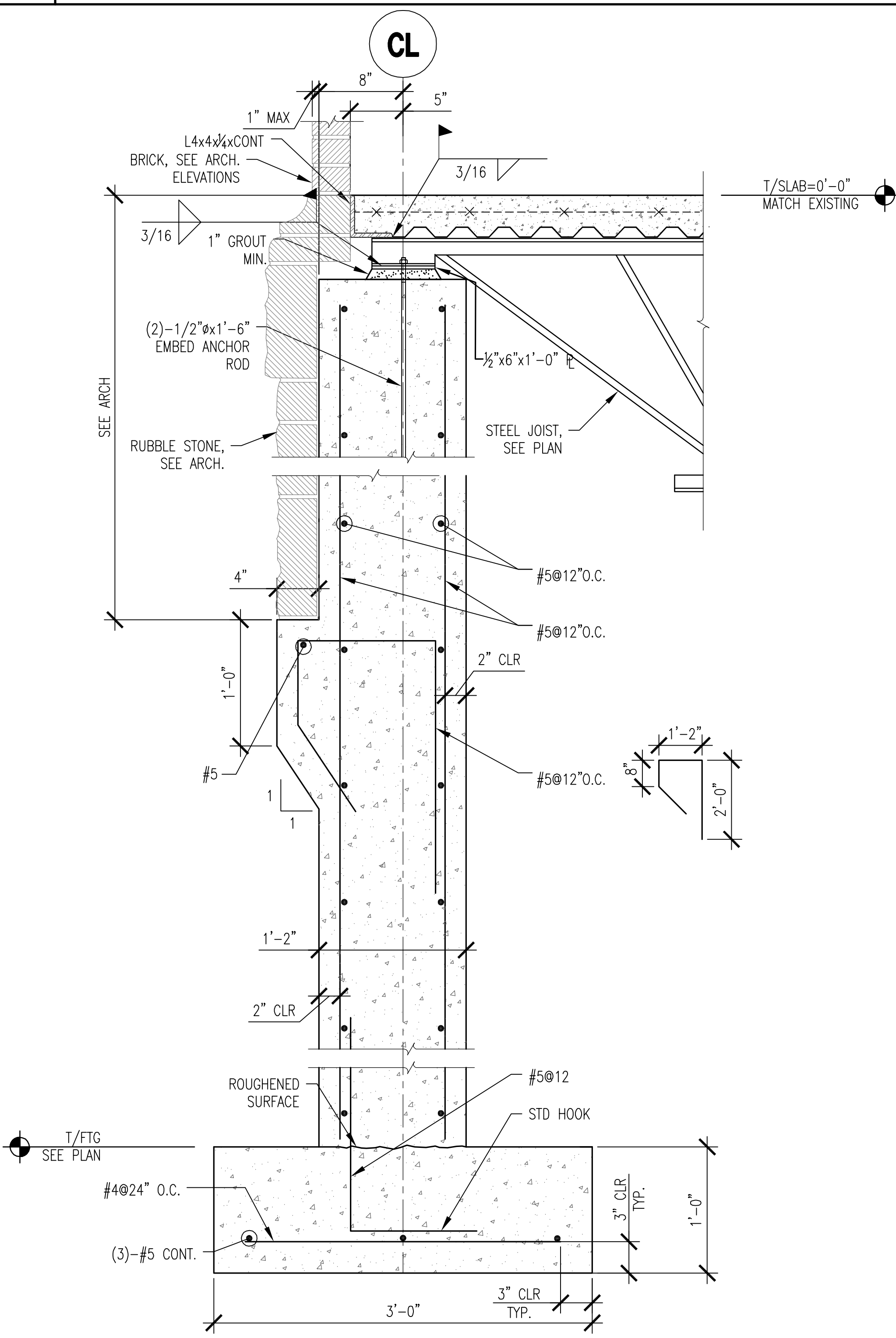
2 SECTION AT RAMP
SCALE: 3/4"=1'-0"



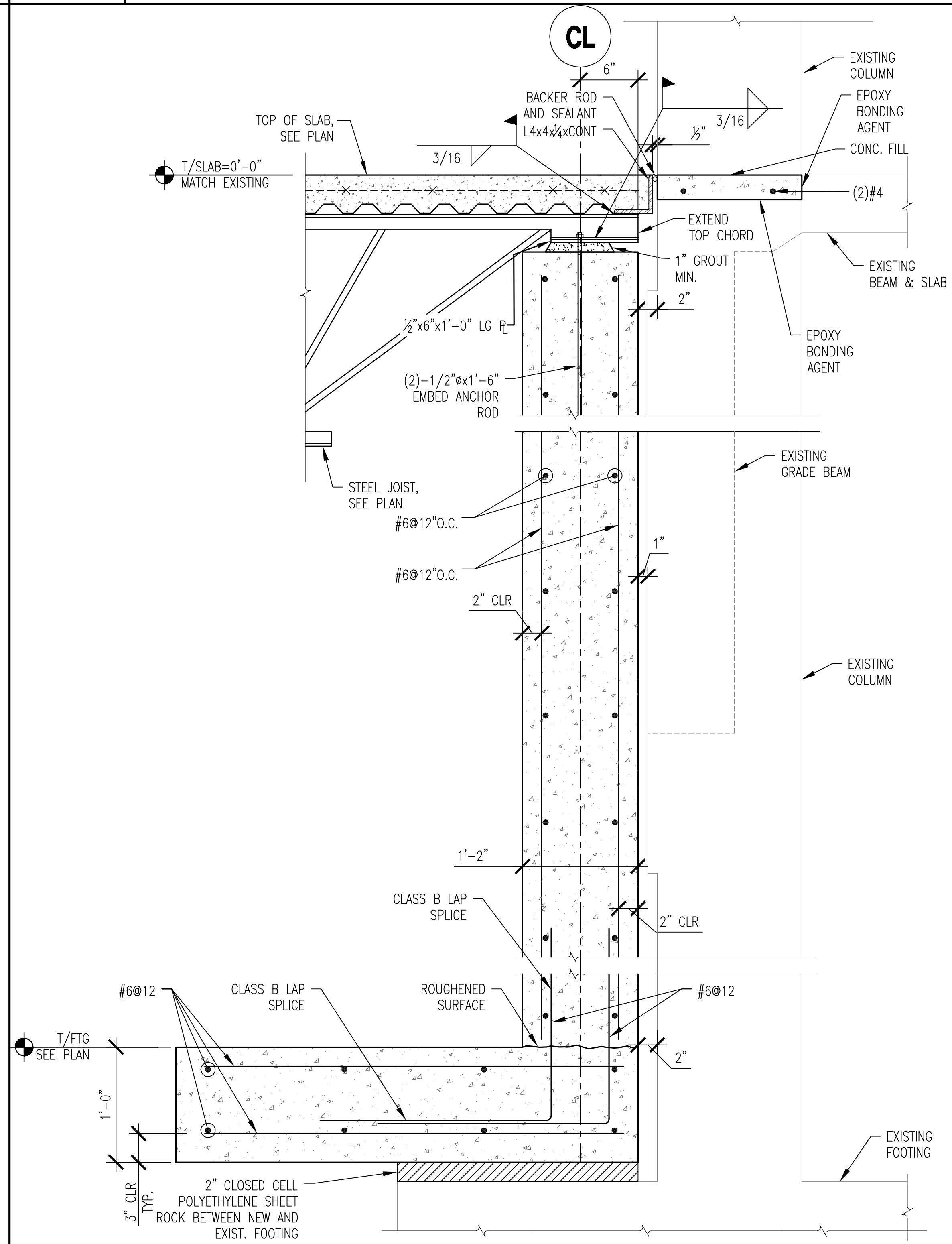
3 CONCRETE BOTTOM OF RAMP DETAIL
SCALE: 3/4"=1'-0"



4 SECTION AT CONCRETE WALL
SCALE: 1 1/2" = 1'-0"



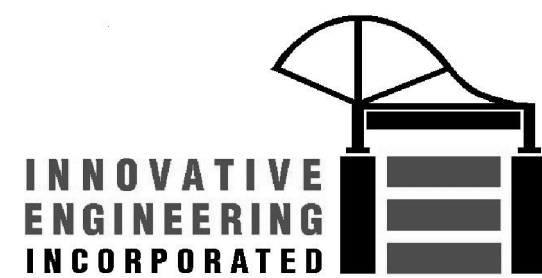
5 SECTION AT CONCRETE WALL
SCALE: 1 1/2" = 1'-0"



6 SECTION AT CONCRETE WALL
SCALE: 1 1/2" = 1'-0"

FINAL SUBMITTAL

CONSULTANTS:



ARCHITECT:



590 MEANS ST NW SUITE 200
ATLANTA GA 30319
404.343.9774

Drawing Title:
CONCRETE SECTIONS & DETAILS

Approved: Project Director

Project Title:
RENOVATE BUILDING 17
VA SALEM

Location:
SALEM, VA

Date:
03-18-2015

Checked:
SLW

Drawn:
DCA

Project Number:
658-13-120

Building Number:
17

Drawing Number:
S302

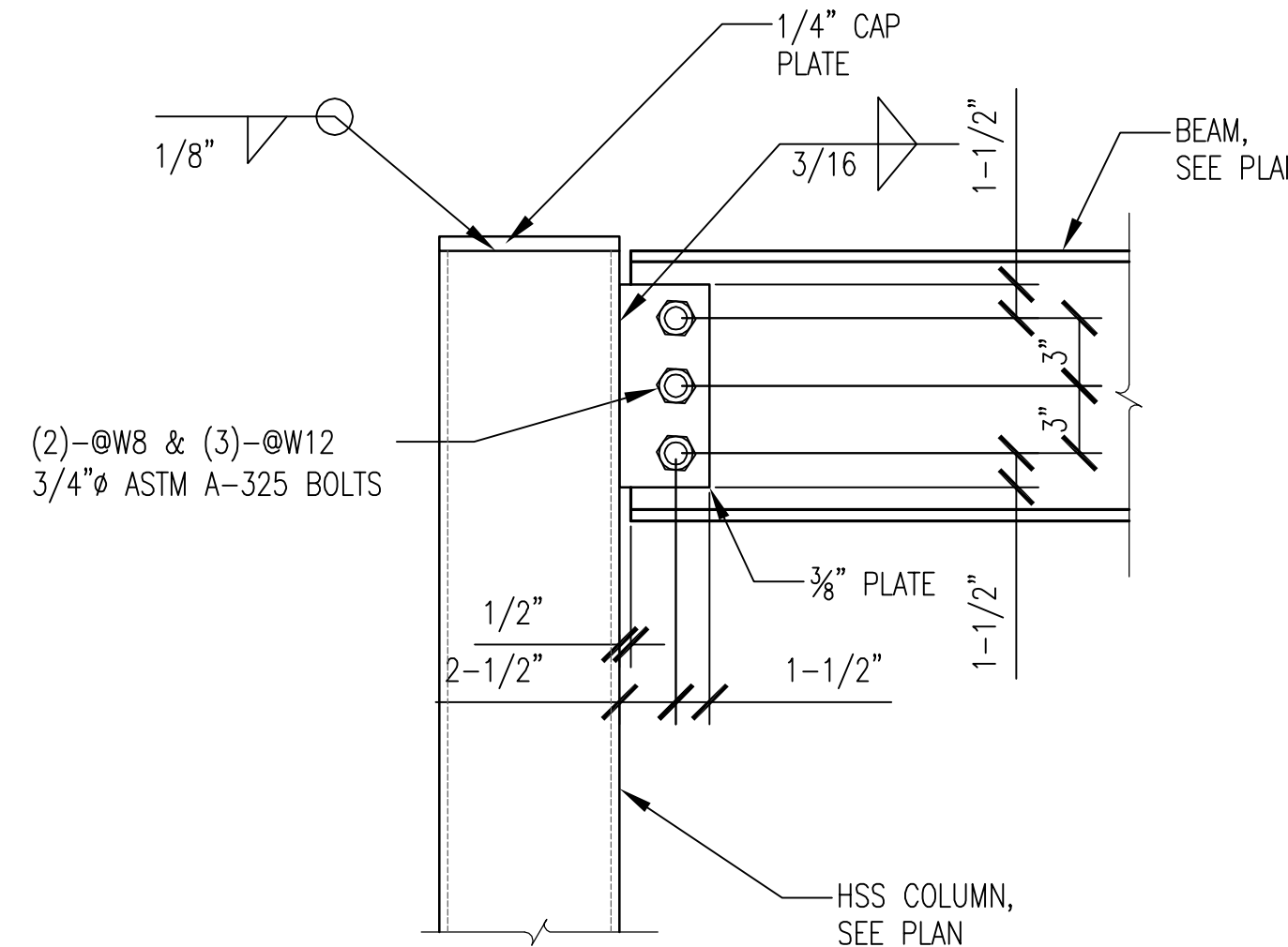
Dwg. of

OFFICE OF
CONSTRUCTION
AND FACILITIES
MANAGEMENT

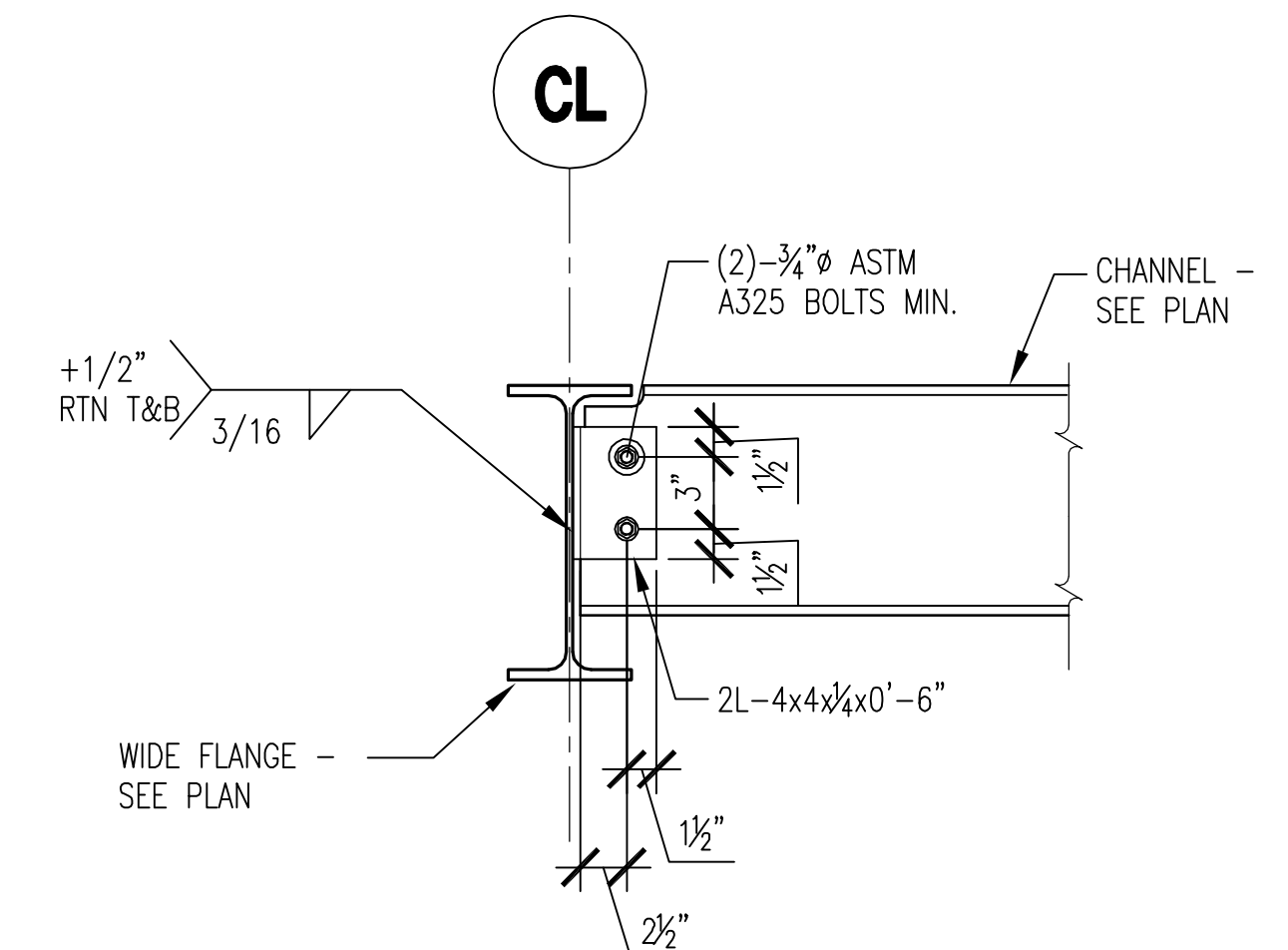


Drawing File: P:\Project Drawing Files\ Toland & Mizell Architects\VA\VA Salem\Struct\Working\11 VA SALEM Steel Details.DWG
Plotted by: David
Plotted Date: Mar 17, 2015 - 2:12pm

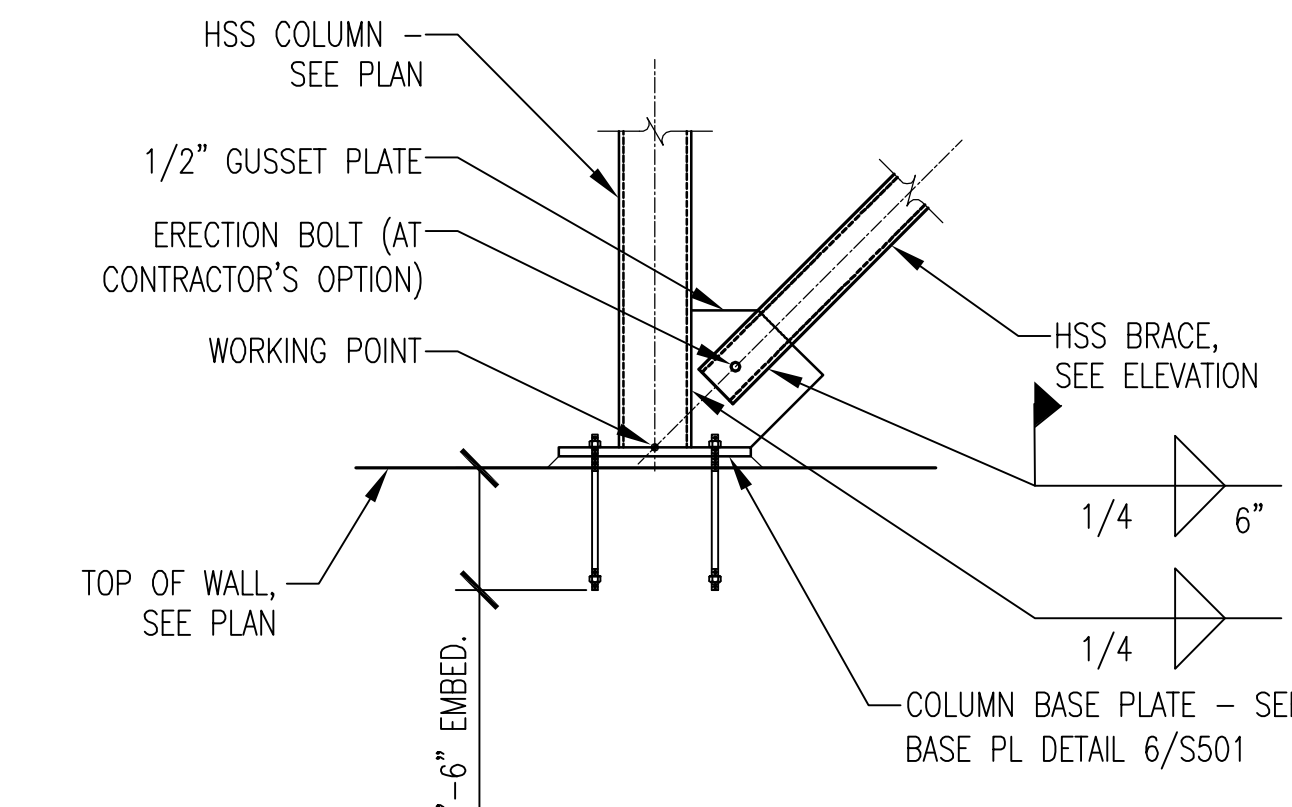
three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



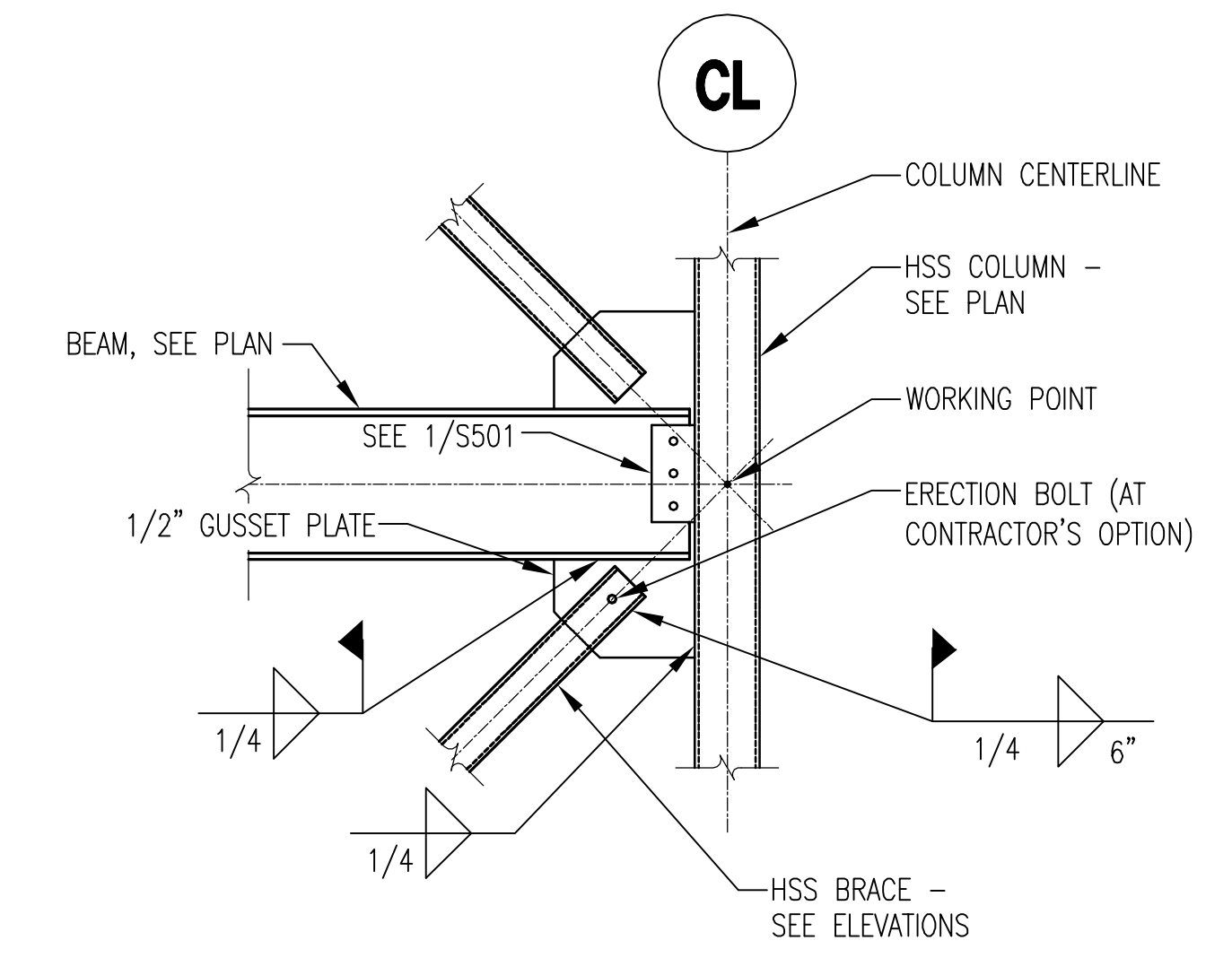
1 TYP. WF TO HSS COLUMN DETAIL
SCALE: 1 1/2"=1'-0"



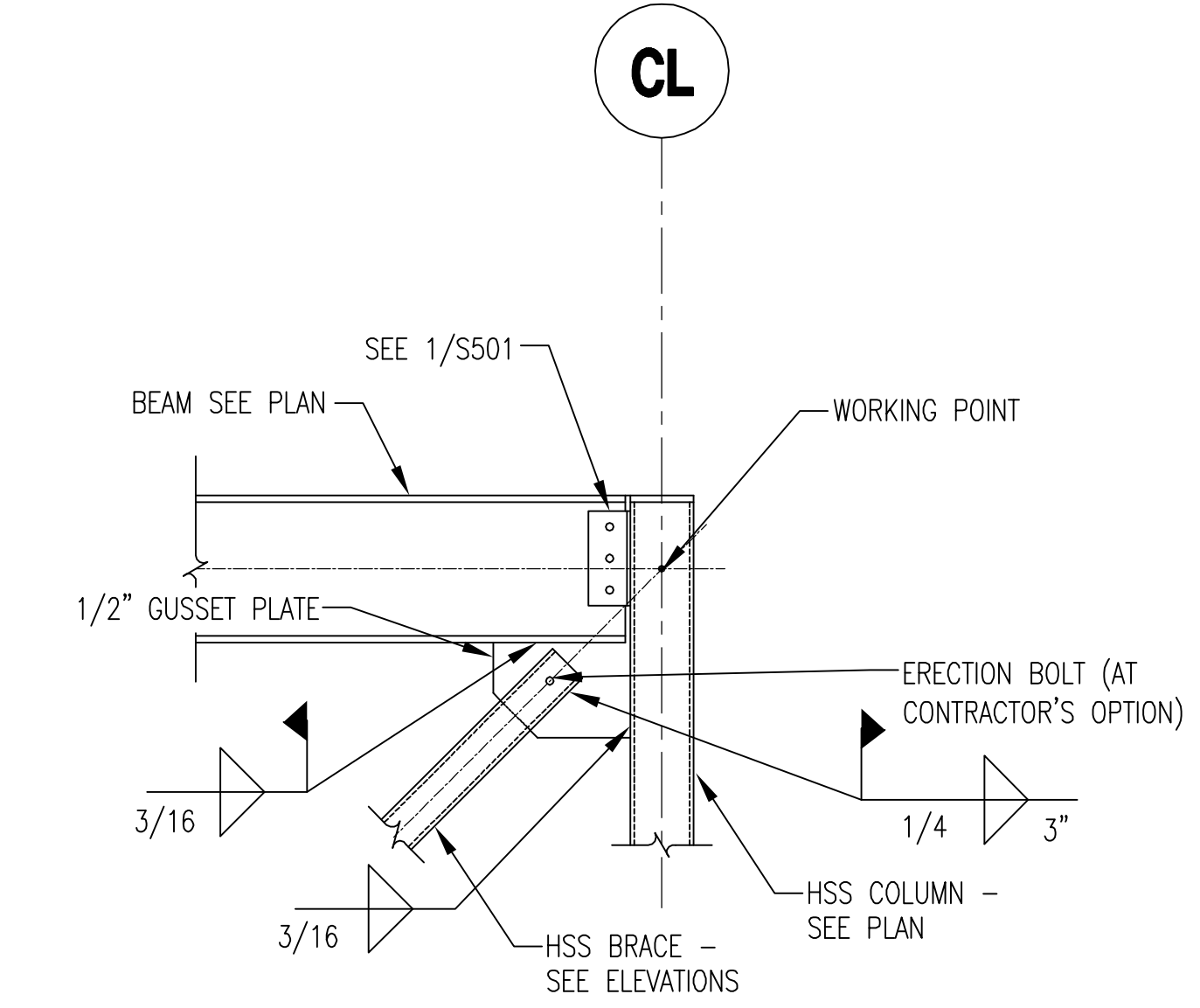
2 TYP. CHANNEL TO WF CONNECTION
SCALE: N.T.S.



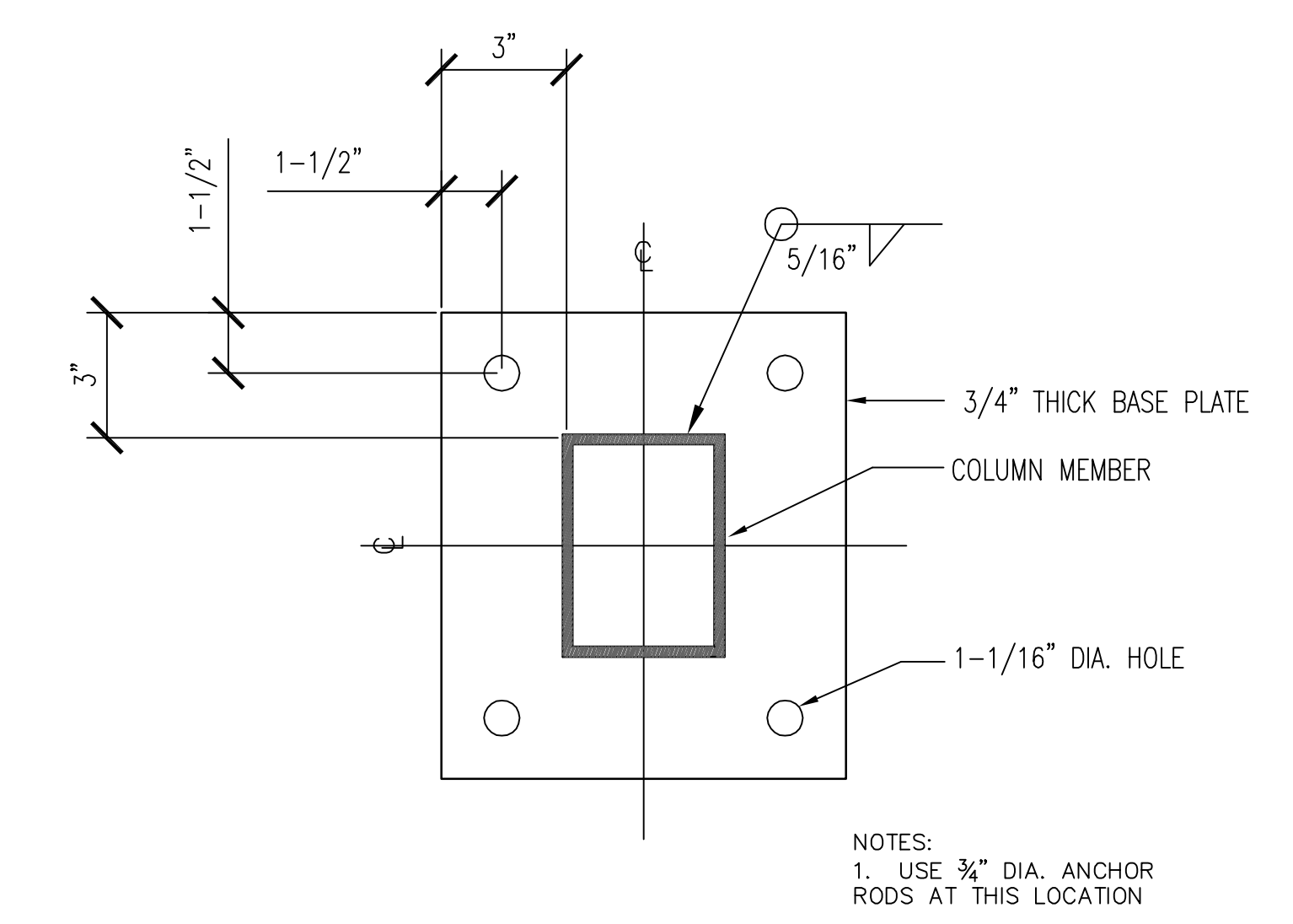
3 TYP. BRACING DETAIL AT WALL
SCALE: N.T.S.



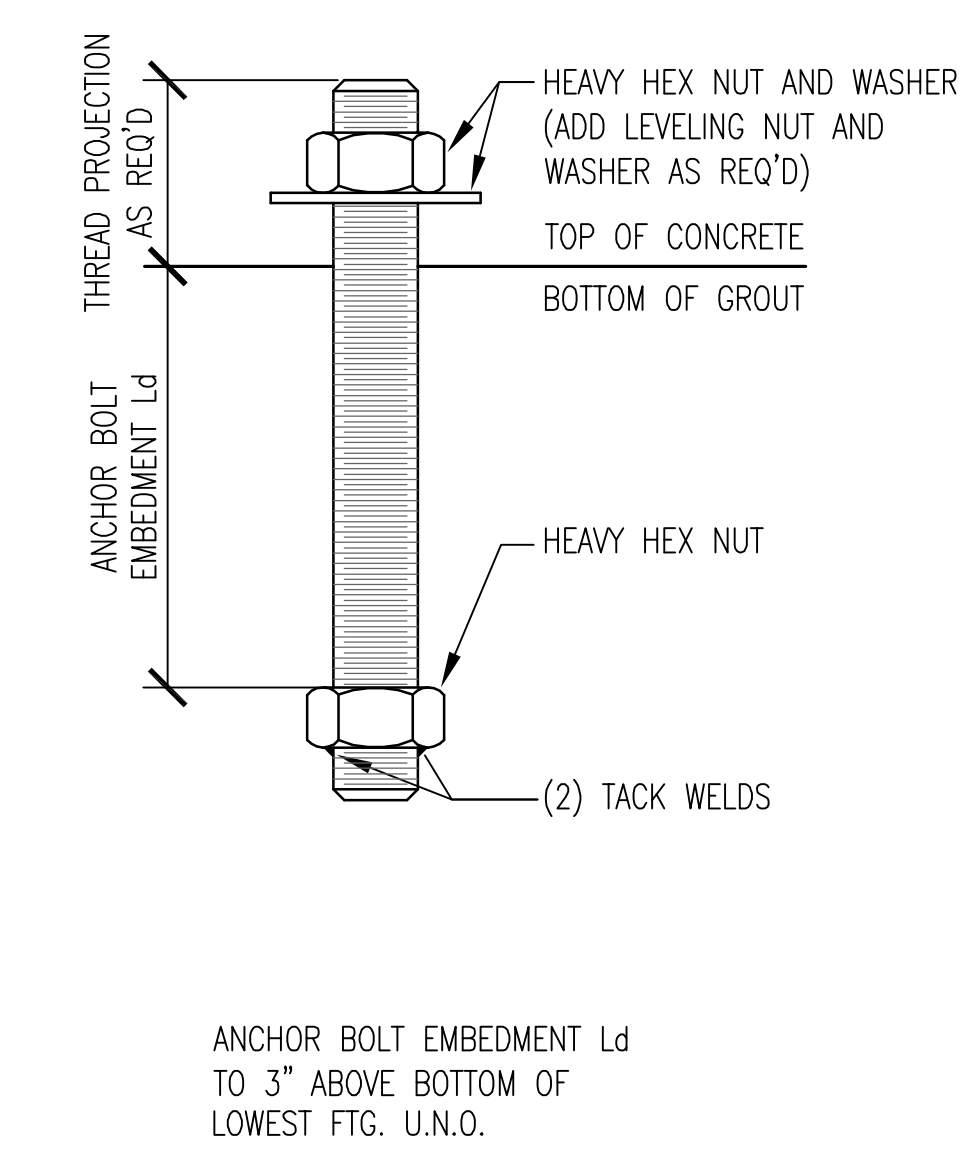
4 TYP. BRACING DETAIL AT SECOND FLOOR
SCALE: N.T.S.



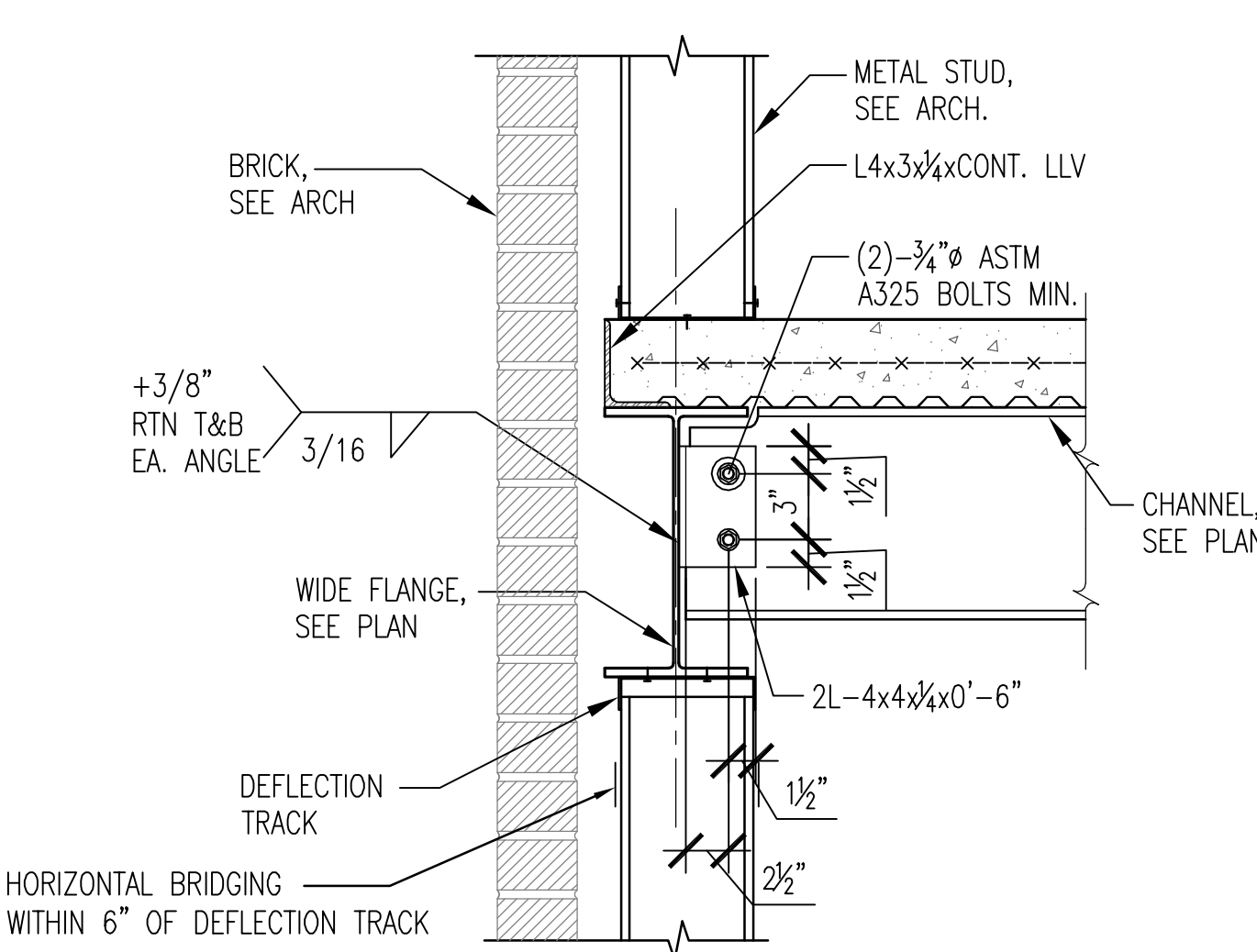
5 TYP. BRACING DETAIL AT ROOF
SCALE: N.T.S.



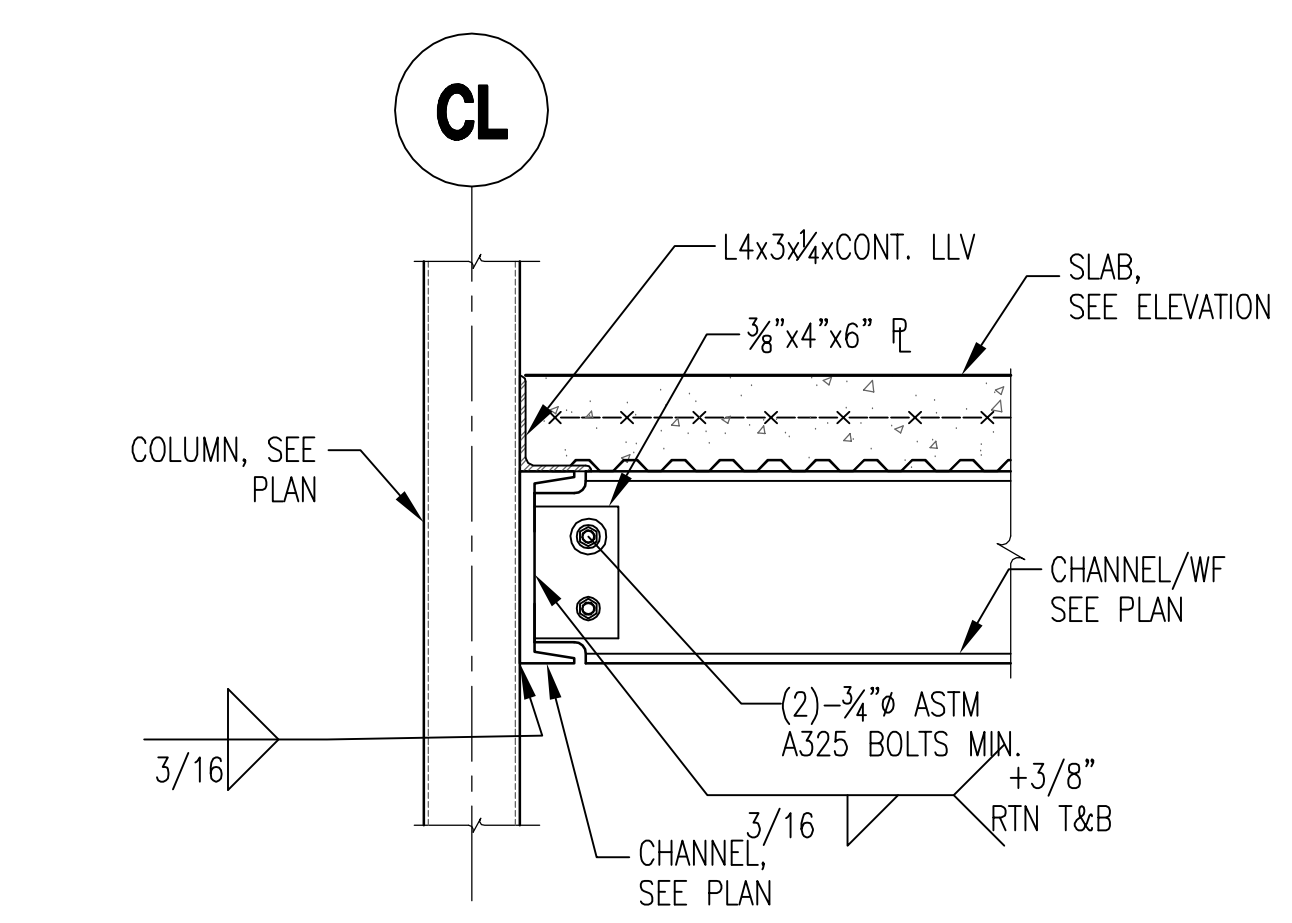
6 TYP. STEEL TUBE BASE PLATE
SCALE: 3"=1'-0"



7 TYP. ANCHOR BOLT
SCALE: N.T.S.



8 TYP. CHANNEL TO WF BEAM DETAIL
SCALE: N.T.S.



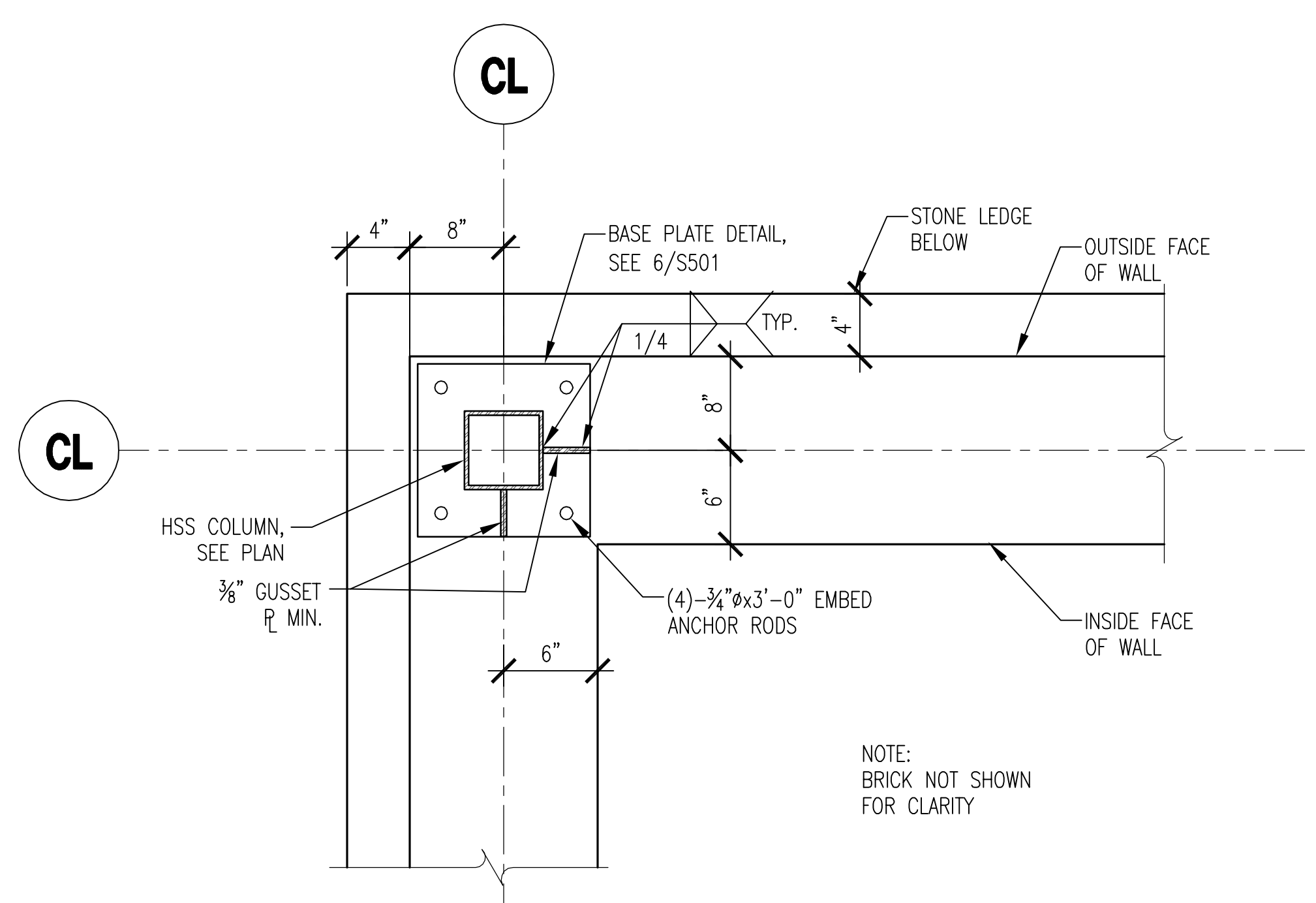
9 TYP. CHANNEL TO HSS COLUMN DETAIL
SCALE: N.T.S.

FINAL SUBMITTAL

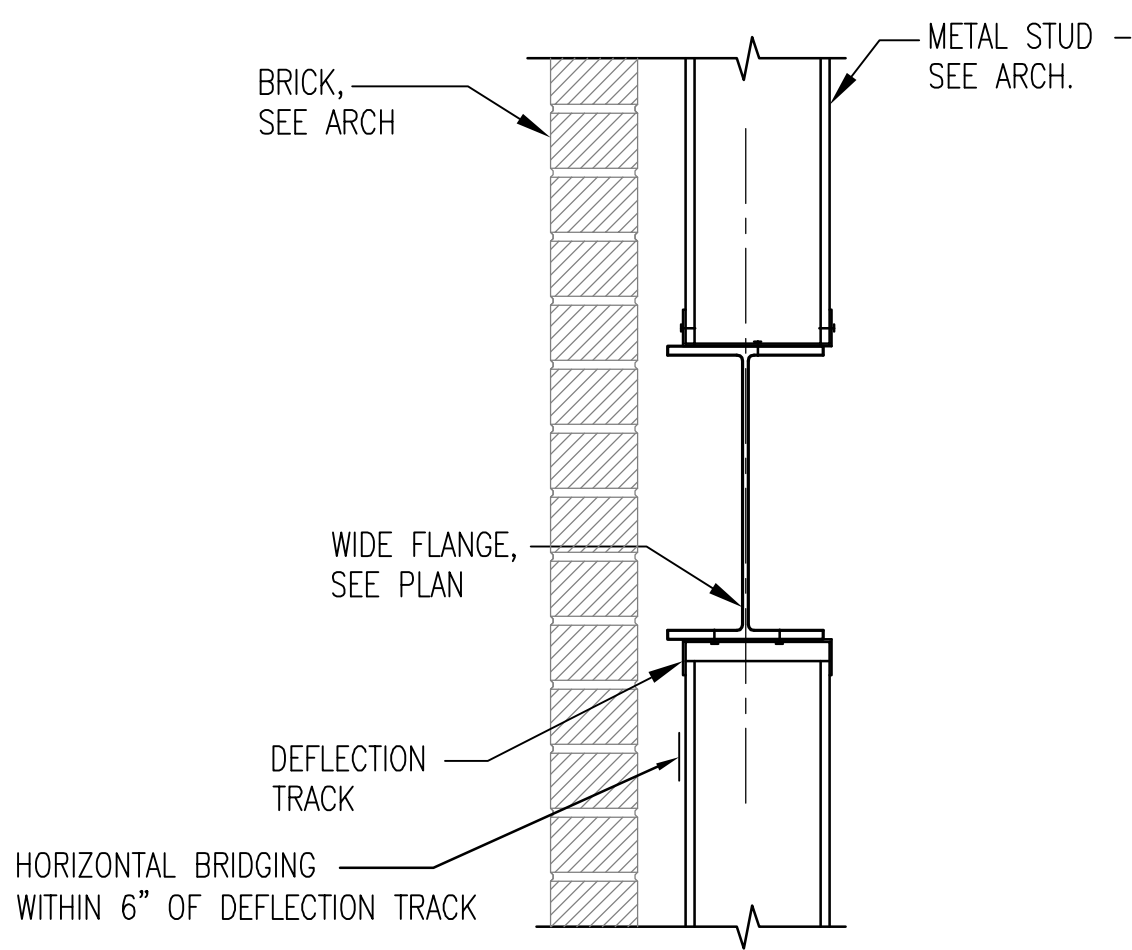
CONSULTANTS: 		ARCHITECT:  590 MEANS ST NW SUITE 200 ATLANTA GA 30319 404.343.9774		Drawing Title: STEEL SECTIONS & DETAILS		Project Title: RENOVATE BUILDING 17 VA SALEM		Project Number: 658-13-120		OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT 	
Revisions:				Approved: Project Director		Location: SALEM, VA		Building Number: 17			
Date:				Date: 03-18-2015		Checked: SLW		Drawn: DCA			

Drawing File: E:\Project Drawing Files\ Toland & Mizell Architects\VA\VA Salem\Struct\Working\11 TH VA SALEM Steel Details.DWG
Plotted by: David
Plotted Date: Mar 17, 2015 - 2:11pm

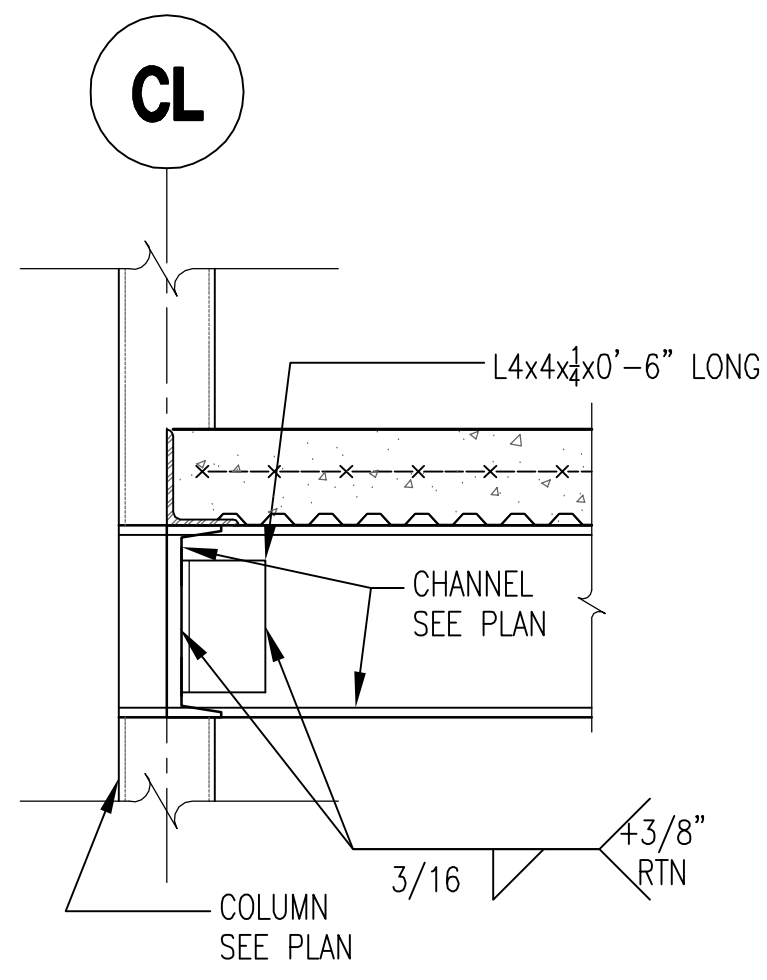
one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three eighths inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot



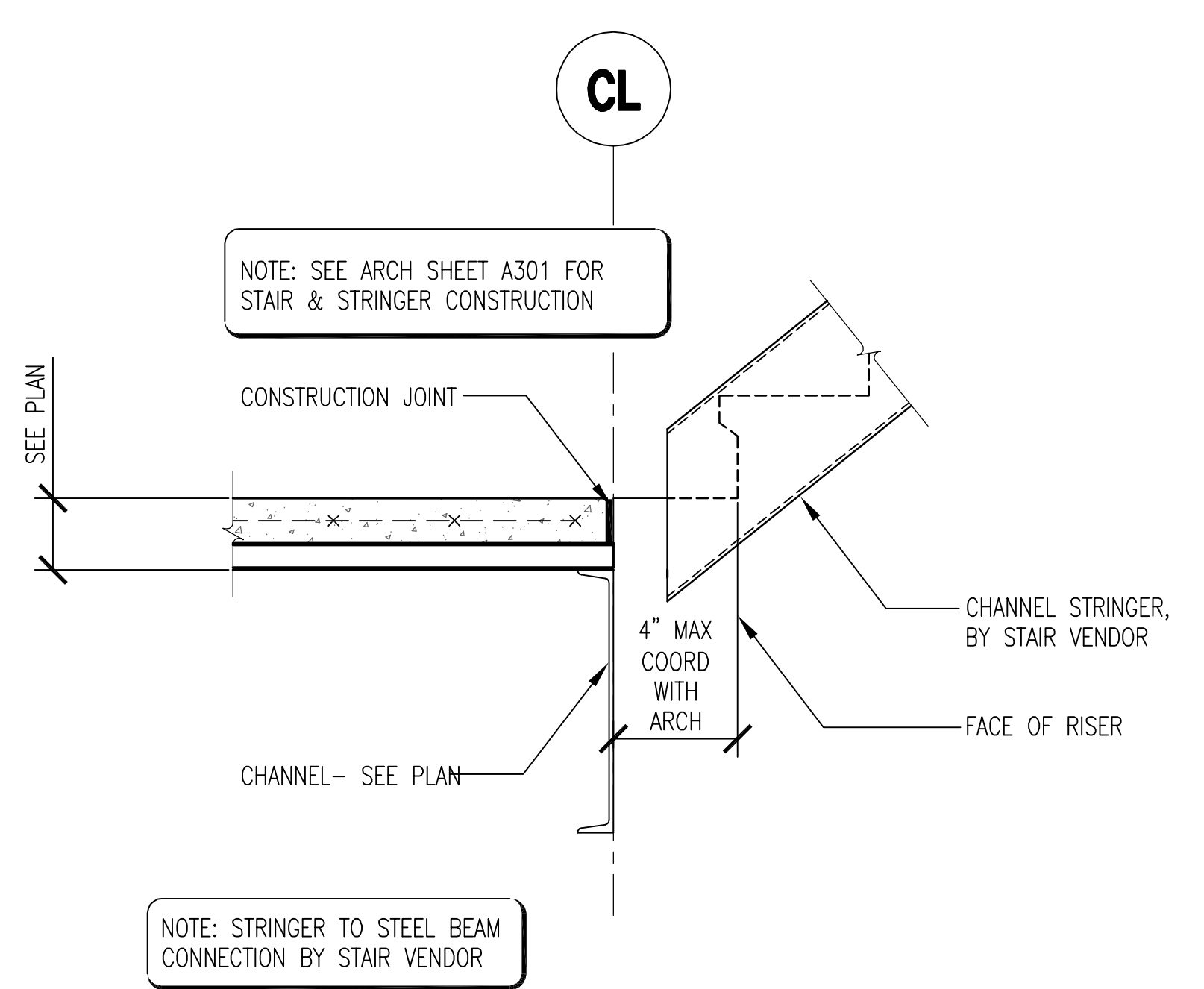
1 BASE PLATE DETAIL
SCALE: N.T.S.



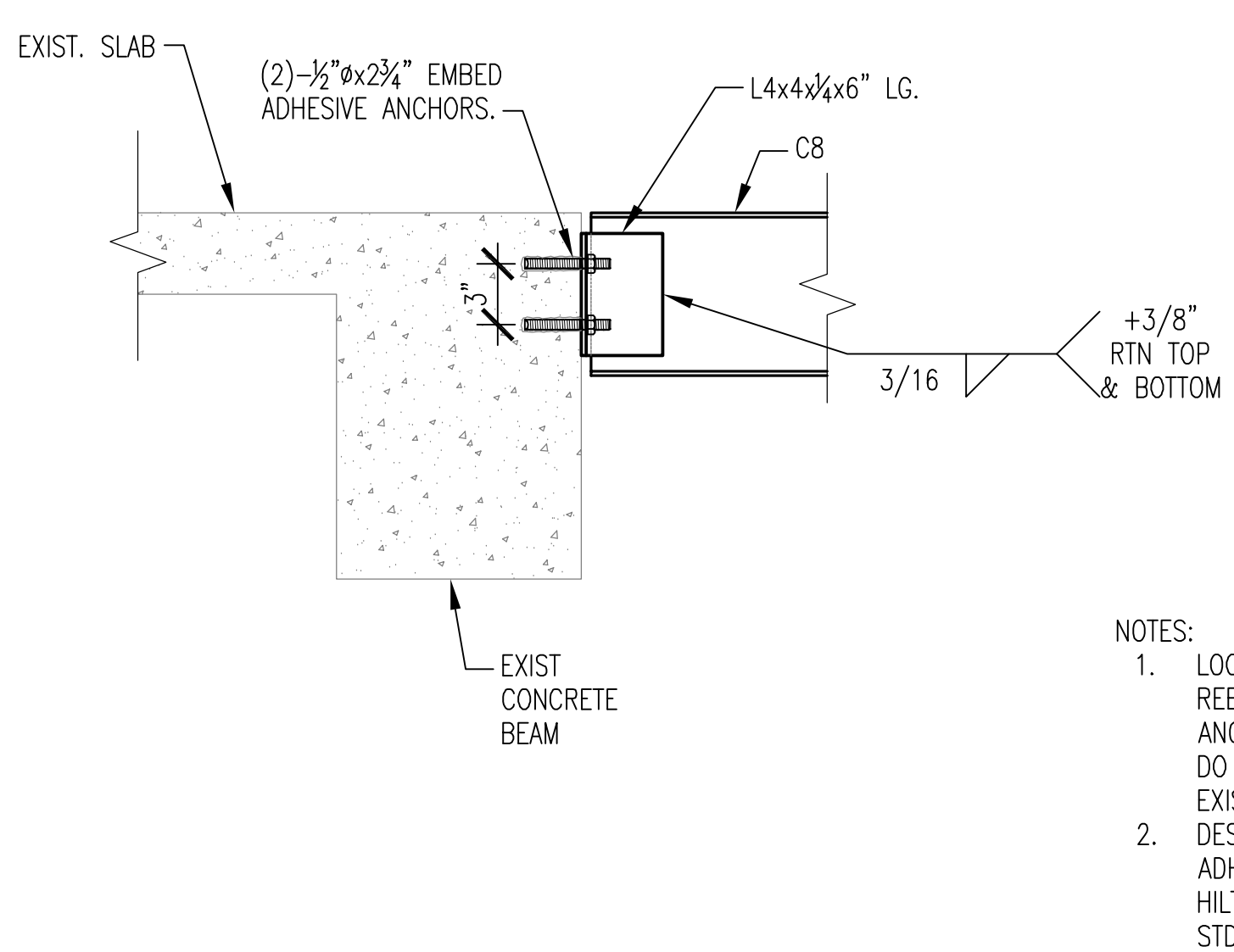
4 DETAIL
SCALE: N.T.S.



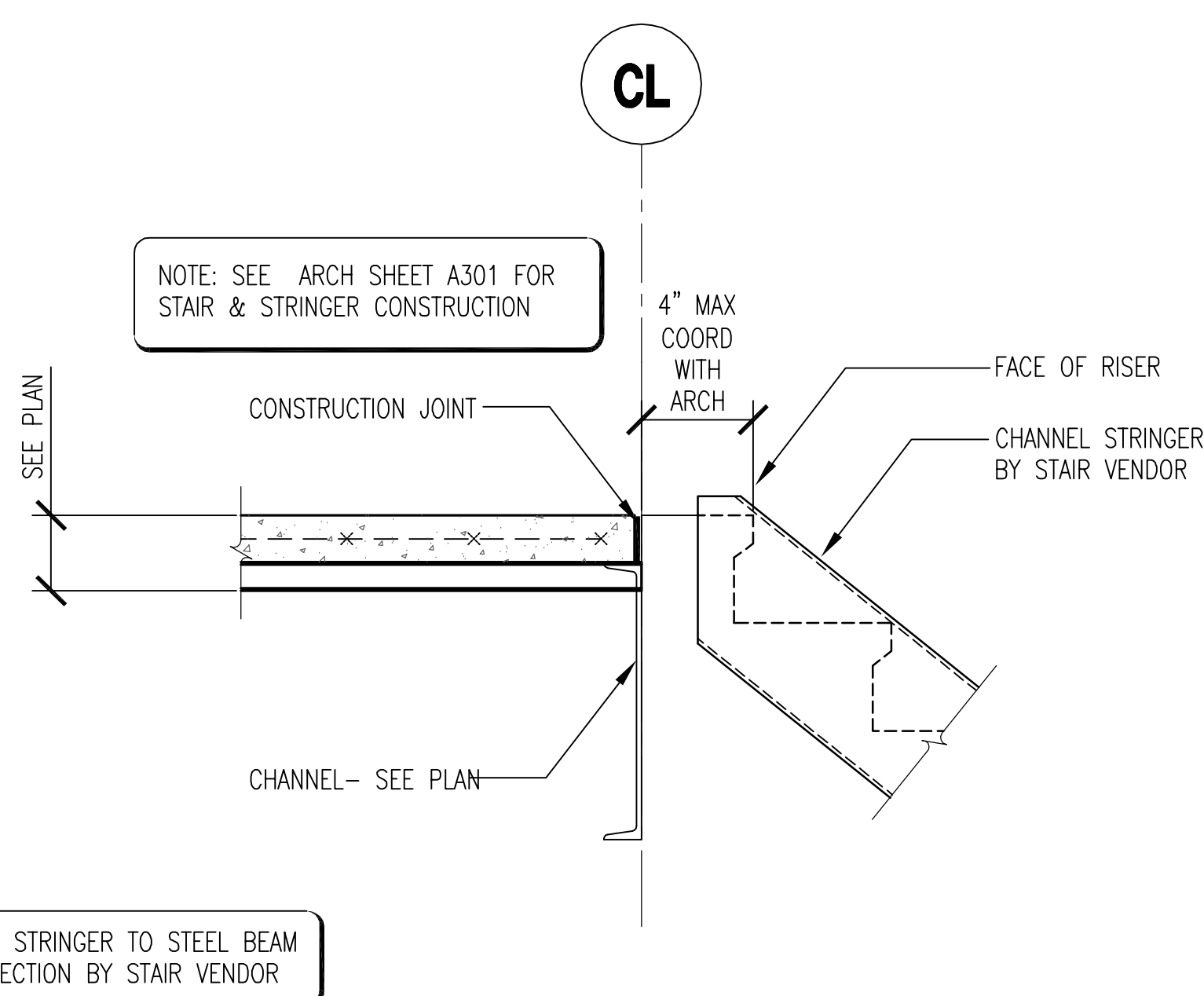
7 SECTION
SCALE: N.T.S.



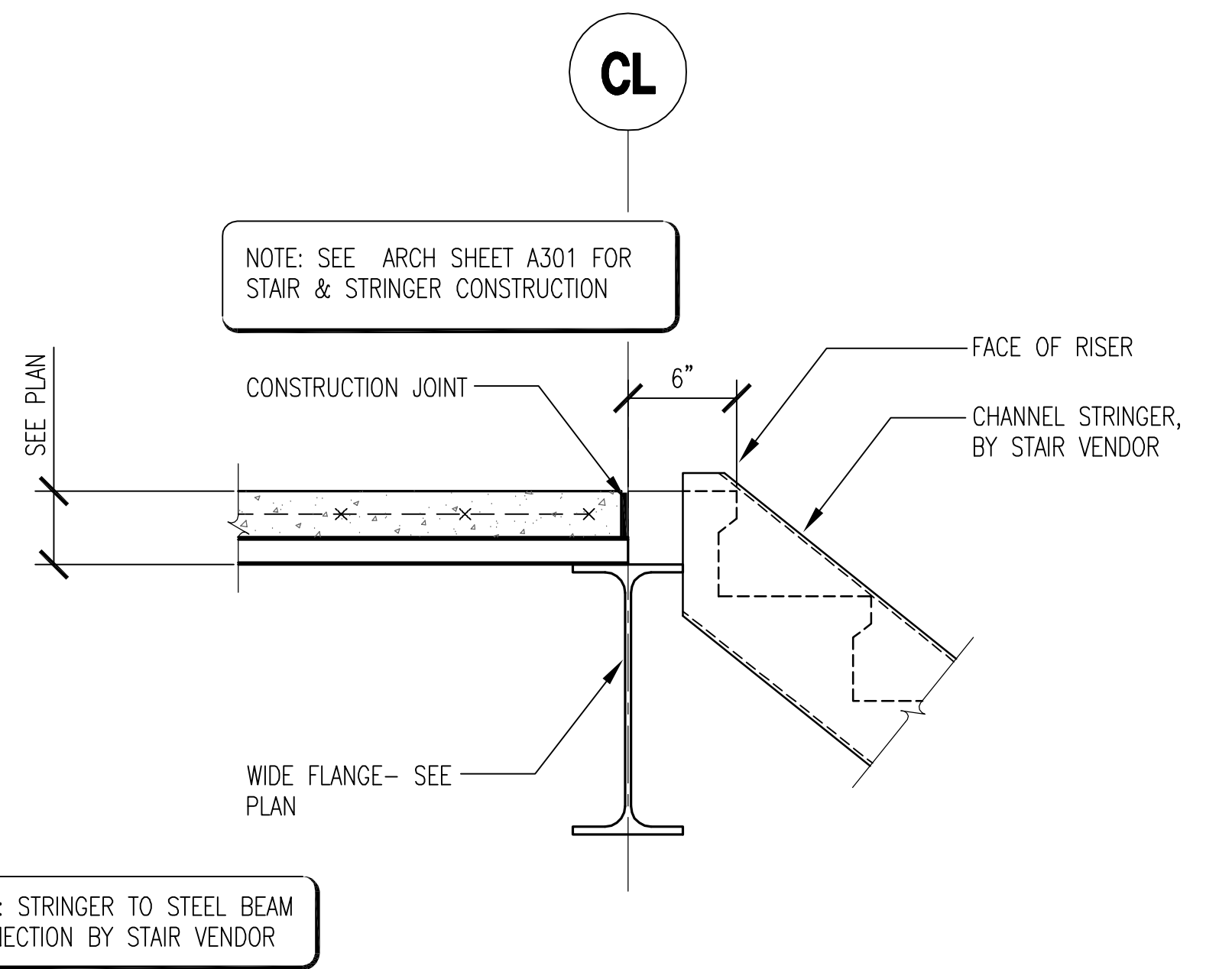
2 STAIR STRINGER TO BEAM CONNECTION AT LANDING
SCALE: N.T.S.



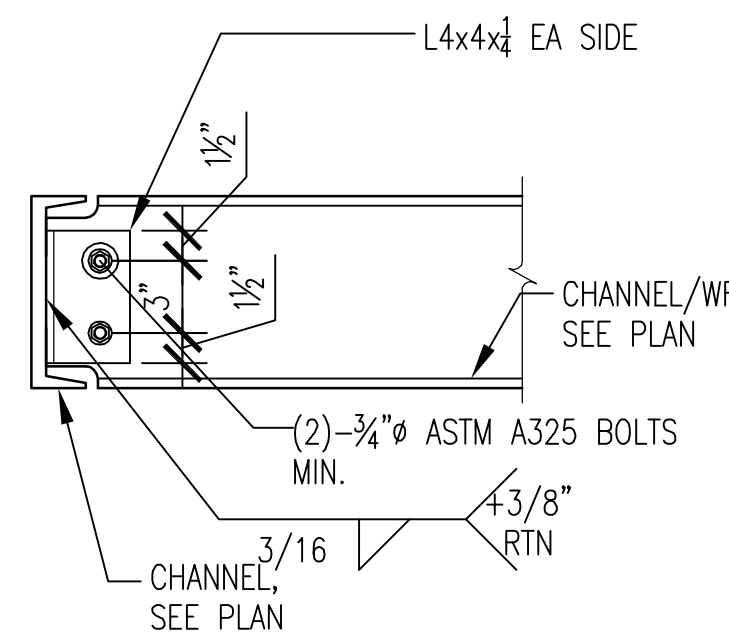
5 CHANNEL TO EXISTING CONCRETE DETAIL
SCALE: 1 1/2" = 1'-0"



8 STAIR STRINGER TO BEAM CONNECTION AT LANDING
SCALE: N.T.S.



3 TYPICAL STAIR STRINGER TO BEAM CONNECTION AT SECOND FLOOR
SCALE: N.T.S.

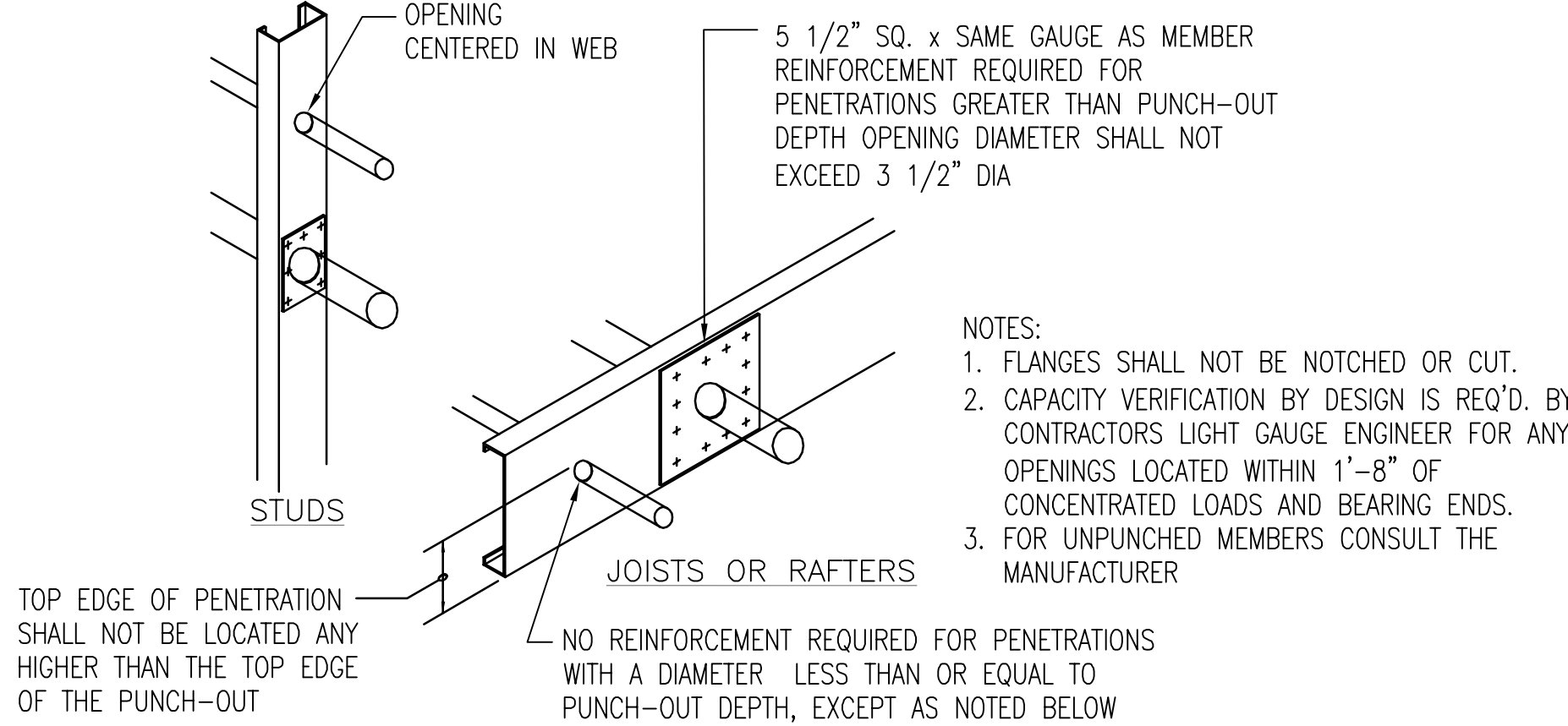
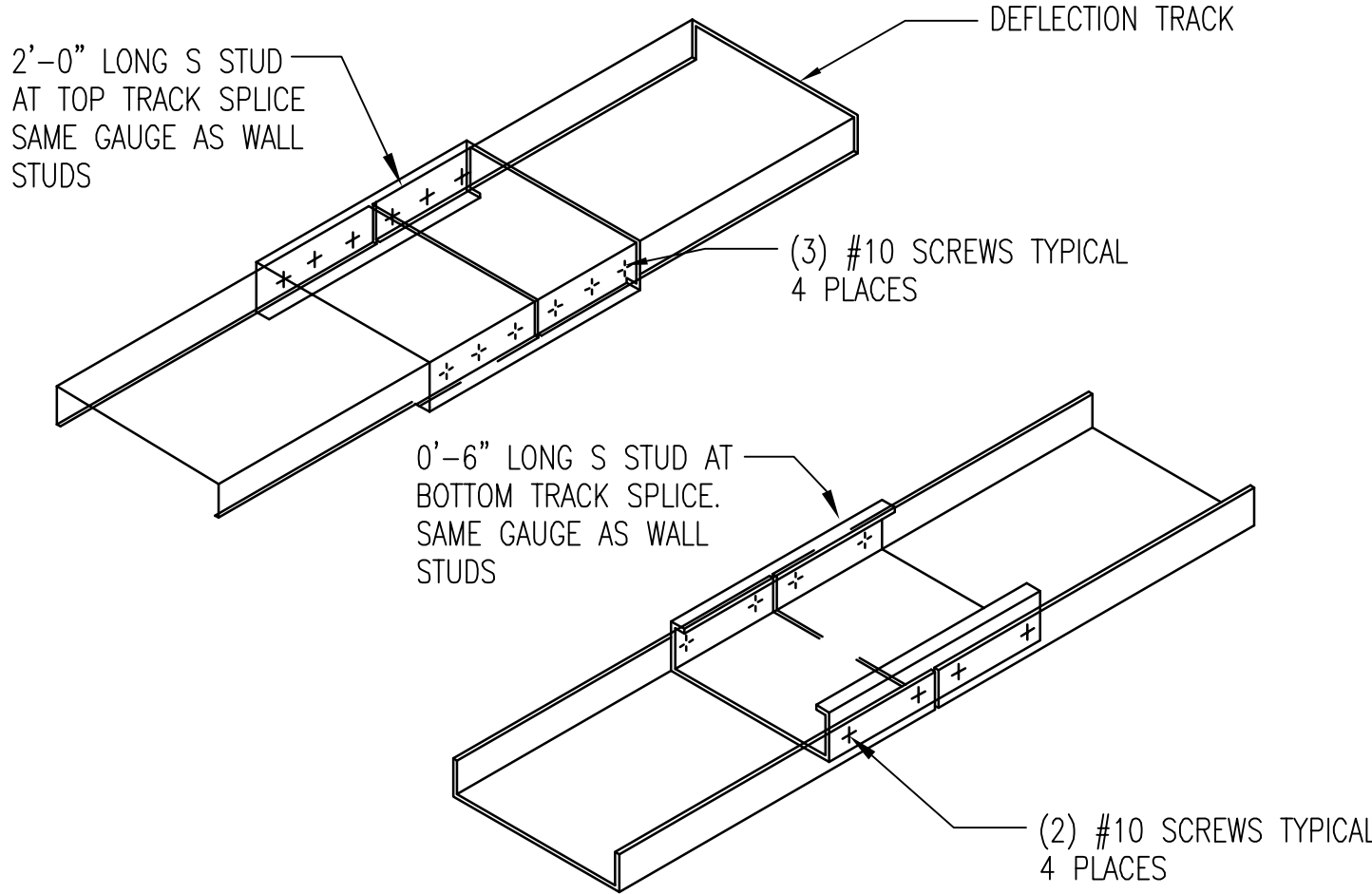
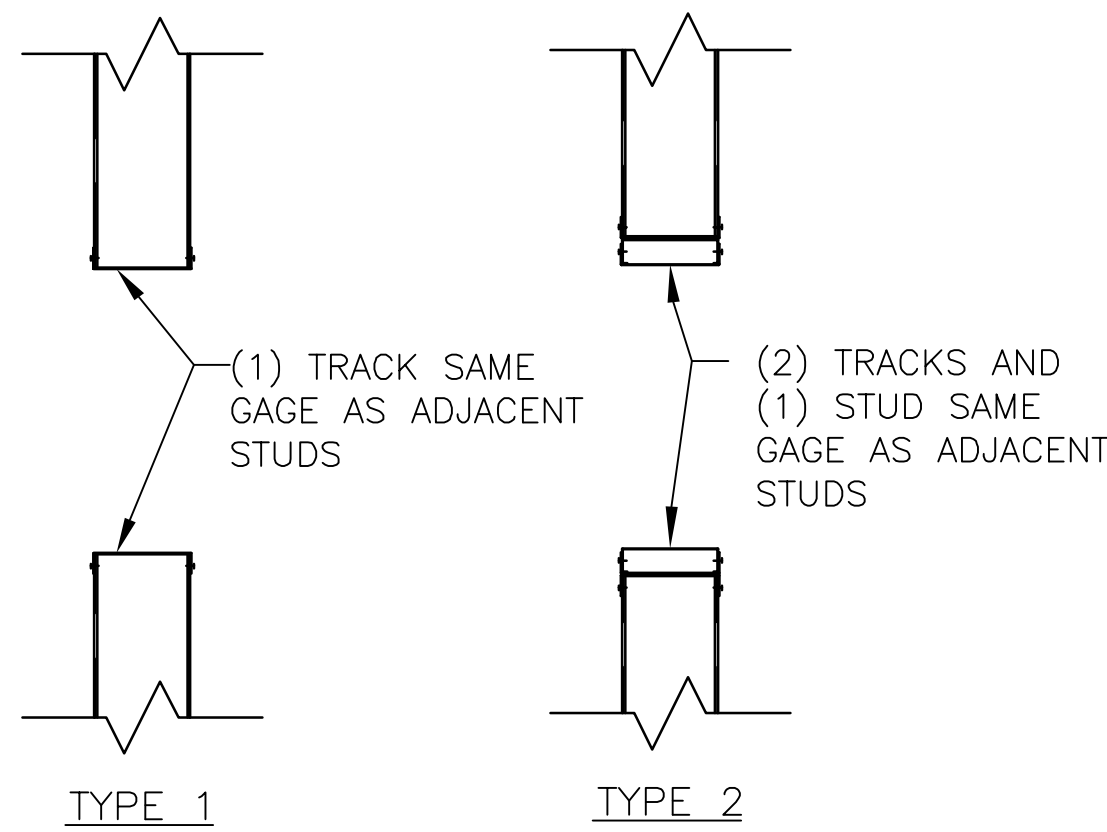


6 CHANNEL TO CHANNEL CONNECTION DETAIL
SCALE: N.T.S.

		CONSULTANTS:						ARCHITECT:		Drawing Title:		Project Title:		Project Number:		OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT	
								590 MEANS ST NW SUITE 200 ATLANTA GA 30319 404.343.9774		STEEL SECTIONS & DETAILS		RENOVATE BUILDING 17 VA SALEM		658-13-120			
										Approved: Project Director		Location:		Building Number:			
												SALEM, VA		Drawing Number:		S502	
												Date:		Checked:			
												03-18-2015		SLW		DCA	
																Dwg. of	
Revisions:		Date:														Department of Veterans Affairs	

Drawing File: P:\Project Drawing Files\ Toland & Mizell Architects\VA\VA Salem\Struct\Working\12 TH VA SALEM L.G. Steel Detailing.dwg
Plotted by: David
Plotted Date: Mar 17, 2015 - 2:09pm

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one eighth inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one eighth inch = one foot



1 SILL AND HEAD TRACK DETAIL

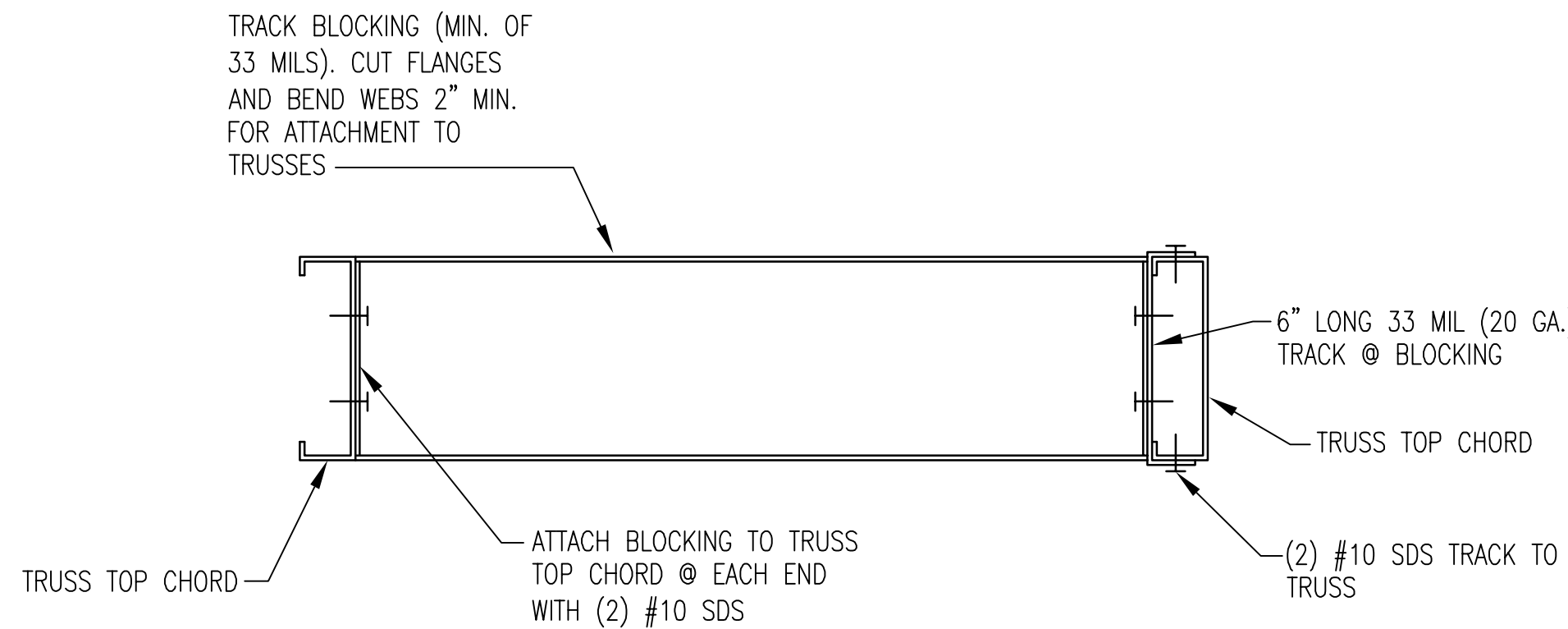
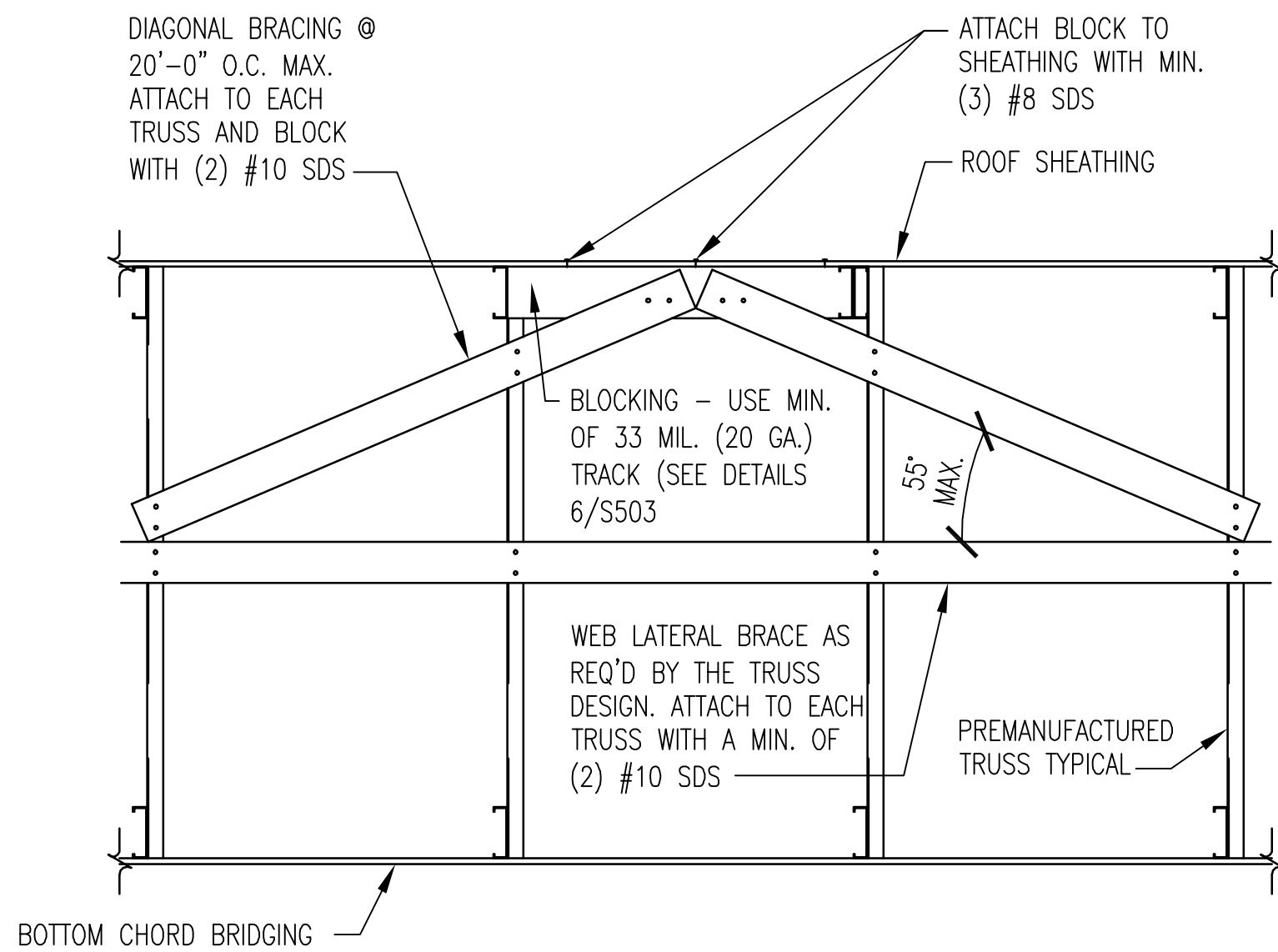
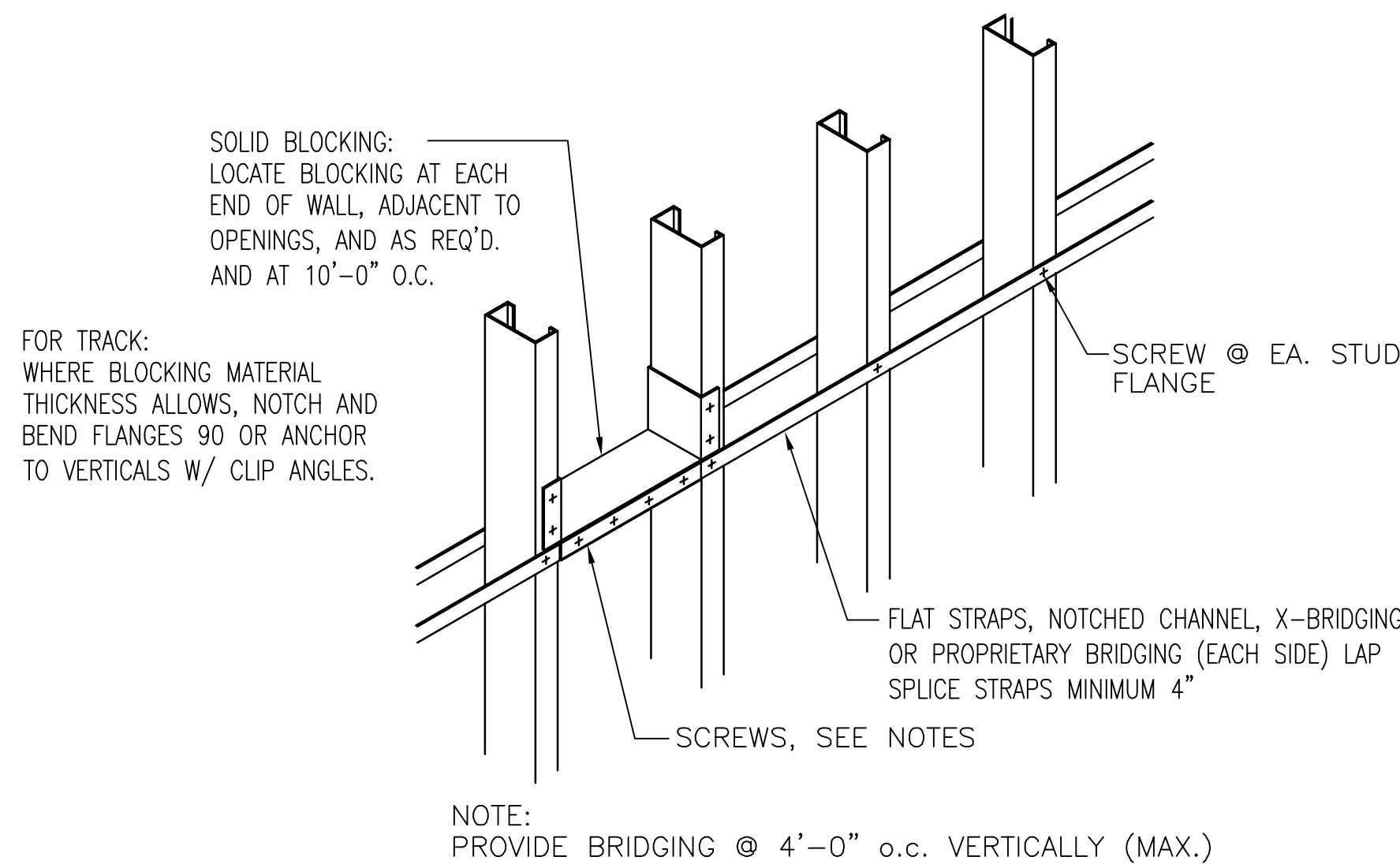
SCALE: N.T.S.

2 TOP AND BOTTOM TRACK TYPICAL SPLICE DETAIL

SCALE: N.T.S.

3 WEB PENETRATION TYPICAL DETAIL

SCALE: N.T.S.



4 WALL BRIDGING TYPICAL DETAIL AT EXTERIOR WALL

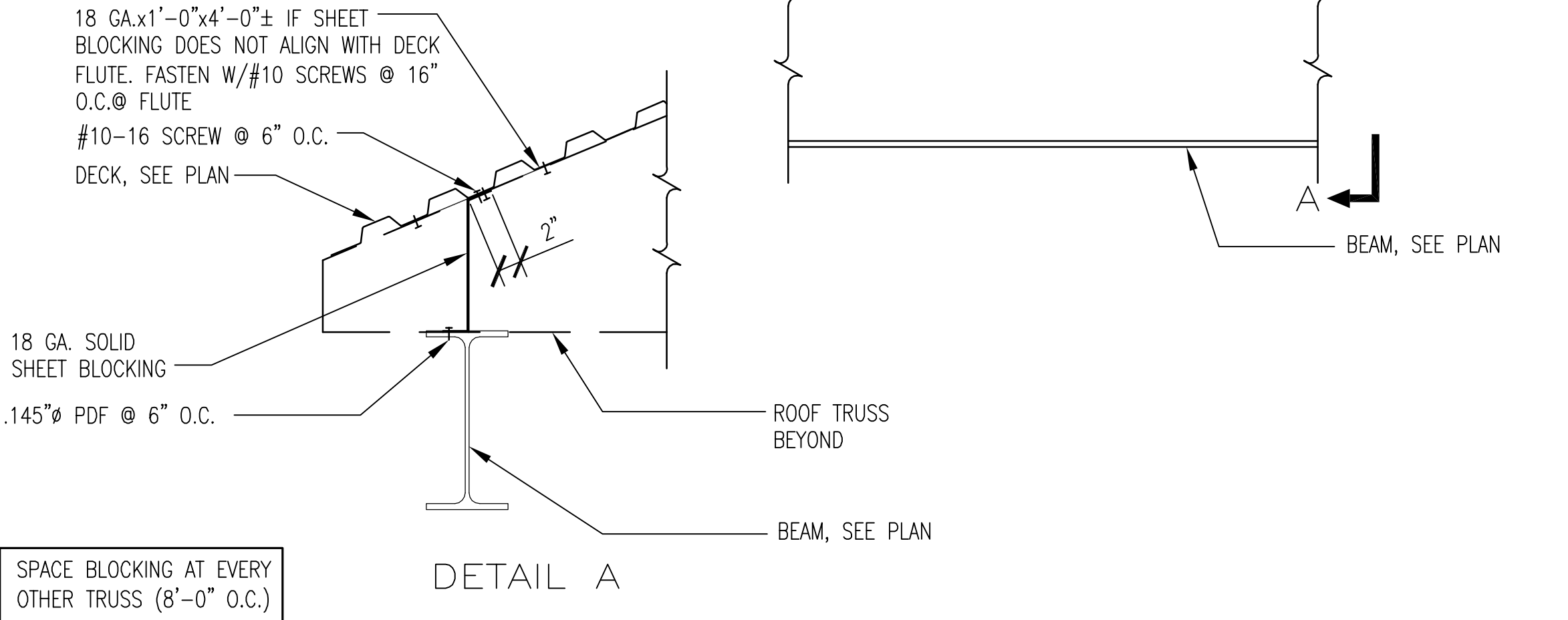
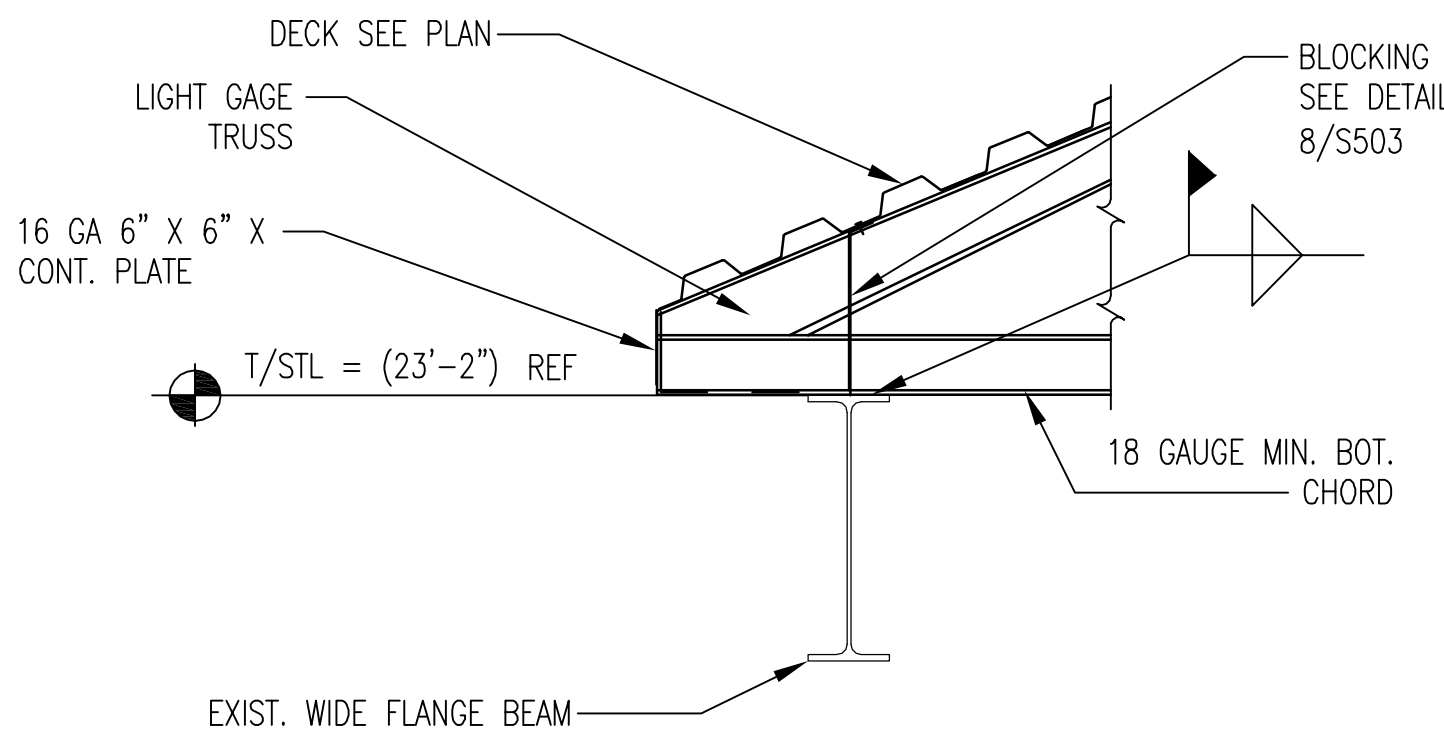
SCALE: N.T.S.

5 TYPICAL TRUSS BRACING DETAIL

SCALE: N.T.S.

6 BLOCKING DETAIL BETWEEN TRUSS TOP CHORDS

SCALE: N.T.S.



7 TYPICAL BRACING DETAIL AT TRUSS BEARING

SCALE: N.T.S.

8 TYP TRUSS BEARING SOLID BLOCKING DETAIL

SCALE: N.T.S.

9 NOT USED

SCALE: N.T.S.

FINAL SUBMITTAL

CONSULTANTS:



ARCHITECT:



590 MEANS ST NW SUITE 200
ATLANTA GA 30319
404.343.9774

Drawing Title:

LIGHT GAUGE STEEL
SECTIONS & DETAILS

Approved: Project Director

Project Title:

RENOVATE BUILDING 17
VA SALEM

Location:

SALEM, VA

Date:

03-18-2015

Checked:

SLW

Drawn:

DCA

Project Number:

658-13-120

Building Number:

17

Drawing Number:

2573

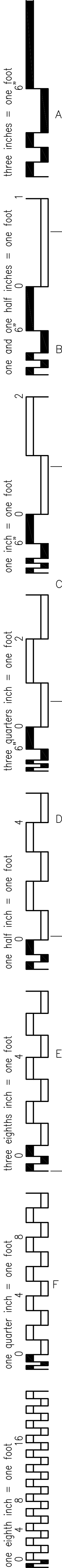
S503

Dwg. of

OFFICE OF
CONSTRUCTION
AND FACILITIES
MANAGEMENT



Drawing File: P:\Project Drawing Files\ Toland & Mizell Architects\VA\VA Salem\Struct\Working\12 TH VA SALEM L.G. Steel Detailing.dwg
Plotted by: David
Plotted Date: Mar 17, 2015 - 2:11 pm



1	TYP JAMB AND SILL DETAIL SCALE: N.T.S.	2	TYP JAMB AND HEADER DETAIL SCALE: N.T.S.	3	NOT USED SCALE: N.T.S.																																																												
4	NOT USED SCALE: N.T.S.	5	NOT USED SCALE: N.T.S.	6	NOT USED SCALE: N.T.S.																																																												
7	NOT USED SCALE: N.T.S.	8	NOT USED SCALE: N.T.S.	9	NOT USED SCALE: N.T.S.																																																												
				FINAL SUBMITTAL																																																													
<table><tr><td>Revisions:</td><td>Date:</td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></table>		Revisions:	Date:																			<table><tr><td>CONSULTANTS:</td><td>ARCHITECT:</td></tr><tr><td></td><td> 590 MEANS ST NW SUITE 200 ATLANTA GA 30319 404.343.9774</td></tr></table>		CONSULTANTS:	ARCHITECT:		 590 MEANS ST NW SUITE 200 ATLANTA GA 30319 404.343.9774	<table><tr><td>Drawing Title:</td><td>Project Title:</td><td>Project Number:</td></tr><tr><td>LIGHT GAUGE STEEL SECTIONS & DETAILS</td><td>RENOVATE BUILDING 17 VA SALEM</td><td>658-13-120</td></tr><tr><td>Approved: Project Director</td><td>Location:</td><td>Building Number:</td></tr><tr><td> </td><td>SALEM, VA</td><td>17</td></tr><tr><td> </td><td>Date:</td><td>Checked:</td></tr><tr><td> </td><td>03-18-2015</td><td>SLW</td></tr><tr><td> </td><td> </td><td>Drawn:</td></tr><tr><td> </td><td> </td><td>DCA</td></tr><tr><td> </td><td> </td><td>Dwg. of</td></tr></table>		Drawing Title:	Project Title:	Project Number:	LIGHT GAUGE STEEL SECTIONS & DETAILS	RENOVATE BUILDING 17 VA SALEM	658-13-120	Approved: Project Director	Location:	Building Number:		SALEM, VA	17		Date:	Checked:		03-18-2015	SLW			Drawn:			DCA			Dwg. of	<table><tr><td>Drawing Number:</td><td>Office of Construction and Facilities Management</td></tr><tr><td>2573</td><td> </td></tr><tr><td>S504</td><td> </td></tr><tr><td> </td><td>Department of Veterans Affairs</td></tr></table>	Drawing Number:	Office of Construction and Facilities Management	2573		S504			Department of Veterans Affairs
Revisions:	Date:																																																																
CONSULTANTS:	ARCHITECT:																																																																
	 590 MEANS ST NW SUITE 200 ATLANTA GA 30319 404.343.9774																																																																
Drawing Title:	Project Title:	Project Number:																																																															
LIGHT GAUGE STEEL SECTIONS & DETAILS	RENOVATE BUILDING 17 VA SALEM	658-13-120																																																															
Approved: Project Director	Location:	Building Number:																																																															
	SALEM, VA	17																																																															
	Date:	Checked:																																																															
	03-18-2015	SLW																																																															
		Drawn:																																																															
		DCA																																																															
		Dwg. of																																																															
Drawing Number:	Office of Construction and Facilities Management																																																																
2573																																																																	
S504																																																																	
	Department of Veterans Affairs																																																																